

Graduate



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UNIVERSITY

Illinois' first public university

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Catalog

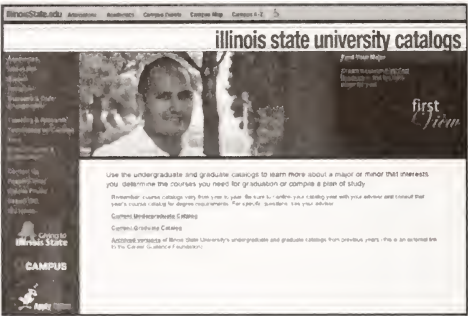
2009–2010

Two ways to find the information
you are interested in
online...

Catalog

Undergraduate and Graduate University catalogs are available online through Illinois State University's home page. Aside from the ease of searching, downloading the catalog puts the most up-to-date information at your fingertips.

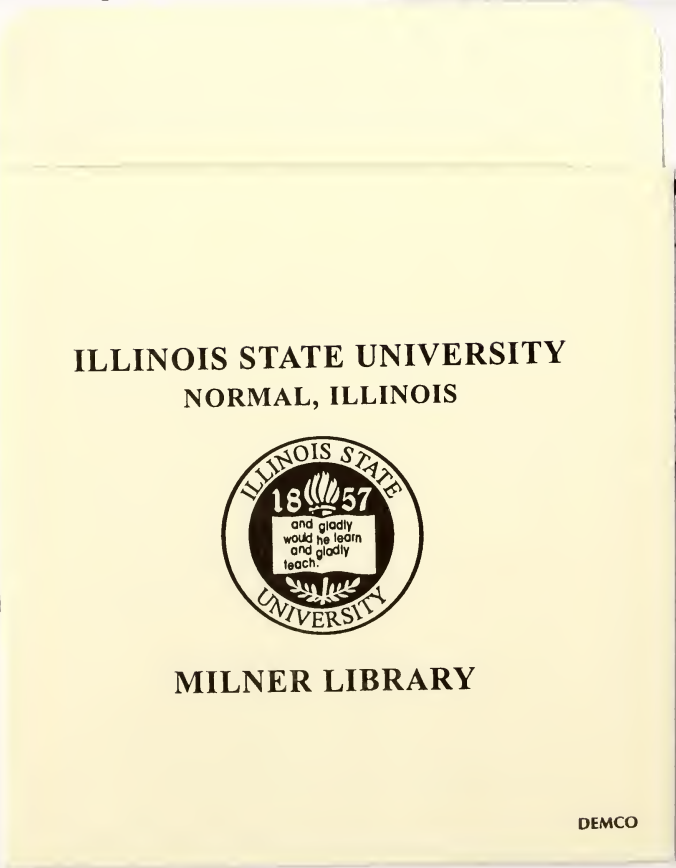
From the Web site, there are quick links to each department and school's information. IllinoisState.edu/catalog.



CourseFinder

The CourseFinder schedule. Students can find Illinois State's on-campus Go

Need to find Friday class in E any classes are u textbook? Ever v offered in Schro CourseFinder's f for courses as p IllinoisState.edu



Illinois State University Graduate Catalog

2009-10

Effective May 18, 2009

Visit our Illinois State University Web site at www.IllinoisState.edu.

Campus Contacts

Disability Concerns	ableisu@ilstu.edu	www.disabilityconcerns.ilstu.edu	309-438-5853
Financial Aid	askfao@ilstu.edu	www.financialaid.ilstu.edu	309-438-2231
Graduate Admissions	admissions@ilstu.edu	www.admissions.ilstu.edu/apply/	309-438-2196
			800-366-2478
Graduate School		www.grad.ilstu.edu	309-438-2583
International Admissions	admissions@ilstu.edu	www.admissions.ilstu.edu/apply/	309-438-8087
University Housing Services		www.uhs.ilstu.edu	309-438-8611
University Operator			309-438-2111
Veterans Services		www.registrar.ilstu.edu/Veterans	309-438-2207

To request Graduate Catalog,* Application for Admission,* Class Registration Directory,*
status of admission application, campus visit, or general information 800-366-2478

*Available online

The general policies, regulations, calendar, fees, and courses contained in this catalog are subject to change without notice at the discretion of Illinois State University.

Illinois State University formally reiterates and reaffirms its commitment to the principles of equal opportunity, affirmative action, and diversity. Discrimination based upon race, color, religion, sex, national origin, age, disability, or veteran status is a violation of federal and state law and ISU policy and will not be tolerated. Discrimination based upon sexual orientation is a violation of state law and ISU policy and will not be tolerated. This nondiscrimination policy applies to all programs administered by the University. However, this policy should not be construed to infringe upon the free exchange of ideas essential to the academic environment.

To the extent allowed by law, all employment decisions, including those affecting hiring, promotion, demotion, or transfer; recruitment; advertisement of vacancies; layoff and termination; compensation and benefits; or selection for training will be made consistent with established ISU policy.

Responsibility for communicating, interpreting, and monitoring the University's equal opportunity policy has been assigned to the Office for Diversity and Affirmative Action (ODAA).

The Illinois State University Office for Diversity and Affirmative Action (ODAA) is committed to promoting a working and learning environment free of discrimination on the basis of race, color, national origin, religion, gender, sexual orientation, age, disability, or veteran status. To this end, the ODAA is responsible for ensuring the University's compliance with all applicable federal and state nondiscrimination requirements and serves as the institution's official liaison with governmental civil rights enforcement agencies. The Director reports directly to the University President and is responsible for the development and execution of the University's Affirmative Action Program and Plan. In addition, the Office provides leadership and support toward developing a comprehensive and institution-wide approach to achieving and sustaining a diverse and pluralistic community of students, faculty, and staff.

The ODAA is located on campus in 208A Hovey Hall. For additional information concerning the University's equal opportunity policy, please call (309) 438-3383.

Illinois State University assigns a high priority to the implementation of its equal opportunity policy and to maintaining an inclusive environment. The realization of this priority requires the cooperation of all members of the University community.

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University Calendar, 2009-2010

2009 Summer Session

May 12	Last day to apply for degree completion in August 2009
May 12	Plan of Study and thesis/dissertation proposal form due in Graduate School Office for any student completing degree in August 2009
May 18-Aug. 7	Summer Term
May 25	Memorial Day Holiday
July 4	Independence Day Holiday
July 31	Last day to file thesis/dissertation in Graduate School Office for August 2009 degree completion. Deadline: 2 p.m.
Aug. 7	Incompletes due in Academic Records for August 2009 degree completion.
Aug. 8	Degrees awarded.
Aug. 11	Grades due at 9 a.m.

2009 First Semester (Fall)

Aug. 17	Classes begin.
Sept. 1	Plan of Study and thesis/dissertation proposal approval form due in Graduate School Office for any student completing degree in December 2009
Sept. 1	Last day to apply for December degree completion
Sept. 7	Labor Day Holiday
Oct. 10	First half of semester ends
Nov. 6	Last day to file dissertation in Graduate School Office for December 2009 degree completion. Deadline: 2 p.m.
Nov. 21	Thanksgiving vacation begins at Noon.
Nov. 30	Classes resume.
Dec. 4	Last day to file thesis in Graduate School Office for December 2009 degree completion. Deadline: 2 p.m.
Dec. 5	Last day of classes
Dec. 7-11	Evaluation period
Dec. 11	Incompletes due in Academic Records for December 2009 degree completion
Dec. 12	Commencement Exercises
Dec. 15	Grades due at 9 a.m.

2010 Second Semester (Spring)

Jan. 11	Classes begin.
Jan. 13	Plan of Study and thesis/dissertation proposal approval form due in Graduate School Office for any student completing degree in May 2010
Jan. 13	Last day to apply for degree completion in May
Jan. 18	Martin Luther King, Jr. Holiday
Mar. 6	First half of semester ends
Mar. 6	Spring vacation begins at Noon.
Mar. 15	Classes resume.
April 2	Last day to file dissertation in Graduate School Office for May 2010 degree completion. Deadline: 2 p.m.
April 30	Last day to file thesis in Graduate School Office for May 2010 degree completion. Deadline: 2 p.m.
May 1	Last day of classes
May 3-7	Evaluation period
May 7	Incompletes due in Academic Records for May 2010 degree completion
May 7-8	Commencement Exercises
May 11	Grades due at 9 a.m.
May 12	Plan of Study and thesis/dissertation proposal form due in Graduate School Office for any student completing degree in August 2010

2010

2009

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31																												30	31								



GENERAL INFORMATION

Board of Trustees

The Board of Trustees is the governing board for Illinois State University. Members of the Board are as follows:

Jay D. Bergman, Joliet
Anne Davis, Tinley Park
Robert Dobski, Bloomington
Betty Kinser, Normal
Joanne Maitland, Bloomington
Michael McCuskey, Urbana, Chair
One student

University Administrative Officers

Al Bowman, President
Sheri Noren Everts, Vice President and Provost
Jan Murphy, Associate Provost
Rodney Custer, Associate Vice President for Graduate Studies, Research, and International Education
Kay Moss, Associate Vice President for Academic Administration
Charles McGuire, Assistant Provost
Jonathan Rosenthal, Assistant Vice President for Enrollment Management and Academic Services
Mark Walbert, Associate Vice President for Academic Information Technology
Jeffrey Wood, Dean, College of Applied Science and Technology
Gary Olson, Dean, College of Arts and Sciences
Scott D. Johnson, Dean, College of Business
Deborah Curtis, Dean, College of Education
James Major, Dean, College of Fine Arts
Sarah Campbell, Interim Dean, Mennonite College of Nursing
Cheryl Elzy, Dean, University Libraries
Stephen Bragg, Vice President for Finance and Planning
Dianne Ashby, Vice President for University Advancement
Steven Adams, Vice President for Student Affairs

Members of the Graduate Council

Graduate Council minutes are available at www.grad.ilstu.edu.

Graduate Council Chair

Kimberly A. Nance, Director of Graduate Studies

Admissions Committee

Rodger Singley.....(2009)
Roberta Trites.....(2010)
Cynthia Kukla.....(2010)
Walt Smoski.....(2011)

Curriculum Committee

Tom Crumpler.....(2009)
Denise Wilson.....(2009)
Tim Fredstrom.....(2010)
Susan Winchip.....(2010)
Stephen Goodwin.....(2011)
J. Cooper Cutting.....(2011)

Membership Committee

Jeffrey Courtright.....(2009)
Diane Dean.....(2009)
Bruce Burningham.....(2010)
Winn Mahatanakoon.....(2011)

Research Committee

Maureen Angell.....(2009)
Joaquin Vila.....(2009)
Joseph Blaney.....(2009)
Corrine Zimmerman.....(2011)

Student Members

Vishvesh Joshi

The University

The documents establishing Illinois State University as a pioneer educational undertaking were drafted by Abraham Lincoln. Academic programs and courses are offered in thirty-six academic departments/schools which are organized into six colleges. Over 20,000 students have a full range of study options in business, liberal arts, science, fine arts, education, applied science, technology, nursing, and pre-professional fields. Major classroom buildings are centrally located and are surrounded by the library and recreational and residence structures.

The Central Illinois community of Normal-Bloomington, home of Illinois State University, has a population of 150,000.

University Commitment to Diversity

Illinois State University is committed to creating a rich and challenging learning environment for all members of our intellectual community, inside and outside of the classroom. Diversity is a critical component of that learning environment and the Illinois State University community embraces it enthusiastically. The Board of Trustees and the Office of the President have approved a University Plan for Diversity that establishes a series of goals and concrete actions designed to reinforce and expand the climate for diversity on campus. The goals from the Plan for Diversity are incorporated into the university's strategic plan, *Educating Illinois*. Diversity is thus an essential component of university planning at Illinois State.

Mission Statement of the Graduate School

The Graduate School seeks to encourage qualified undergraduates to pursue graduate study, to foster in each graduate student a spirit of inquiry and a quality of scholarship or artistic excellence consistent with the highest traditions in graduate work, and to prepare graduates who are able to assume the professional and scholarly responsibilities of educated persons in a free society.

The Graduate School advances the University's mission to expand knowledge and culture among students, colleagues, and the general citizenry through teaching, research, and service. Graduate education provides opportunities for all students, including those from underrepresented groups, to learn advanced skills enabling them to generate knowledge through research and creative endeavors, to disseminate their scholarship, and to prepare for careers throughout the public and private sectors.

The Graduate School supports the expansion and strengthening of graduate programs including: (1) master's programs in areas that build on strengths of undergraduate programs, have a unique educational focus, or prepare students for viable

careers; (2) doctoral programs in areas of demonstrated programmatic strength and expertise or where a compelling societal need exists. Illinois State University is classified as a Carnegie Doctoral/Research institution.

The Graduate School

The University began offering graduate work in 1943, when it introduced master's degree programs in several departments. The number of degrees has increased gradually since that time, with doctoral work being introduced in 1962.

Today the Graduate School offers master's degree work in more than thirty academic fields and professional education areas as well as the Specialist in School Psychology degree. The Master of Fine Arts (M.F.A.) degree is offered in Art and Theatre. The Master of Science in Nursing (M.S.N.) is offered by the Mennonite College of Nursing. Doctoral programs are offered in Audiology, Biological Sciences, Curriculum and Instruction, Educational Administration, English Studies, Mathematics Education, School Psychology, and Special Education. Non-degree graduate certificates are also offered.

The members of the graduate faculty of each department/school are listed in the department/school sections. The entire faculty of the Graduate School is shown in a section after the Departments/Schools and Course Offerings.

Graduate Research Symposium

A university-wide, cross disciplinary showcase of student research, creative achievement, and scholarship is held each spring. Symposia sponsors are the Graduate School, Research and Sponsored Programs, Milner Library, and Honors Program. Students must be enrolled and engaged in research under the direction of a faculty mentor.

The symposium recognizes and promotes student research, creative achievement, and scholarship by providing a professional setting in which students present.

In addition to recognizing and encouraging research at the graduate level, this event also provides professional advancement experience. Presenters at the symposium are eligible to apply for a Project/Presentation Assistance Grant for research, creative achievement, and scholarship presented at off-campus professional conferences/events. Funds are available through the Graduate School. (See *Research Requirements and Grants and Scholarships* sections.)

Accreditation

Illinois State University is accredited by the Higher Learning Commission of the North Central Association of Colleges and Schools. For further information regarding this accreditation, contact North Central Association at 30 North LaSalle Street, Suite 2400, Chicago Illinois 60602-2504; Phone 800-621-7440 or 312-263-0456, or at the Commission Web site: www.ncacihc.org. All teacher preparation programs are accredited by the National Council for Accreditation of Teacher Education and are certified by the Illinois State Board of Education. A number of programs hold discipline-based accreditation. The University holds institutional memberships in the American Council of Education, the American Association of Colleges for Teacher Education, and the Council of Graduate Schools of the United States.

Library Resources

Milner Library is an active partner in the teaching, learning, research, and service activities of Illinois State University. Milner librarians provide research assistance and library instruction customized to meet the needs of students and faculty. Reference collections include general, as well as subject-specific, print research tools including indexes, handbooks, dictionaries, bibliographies, and directories. Electronic research tools include the Online Catalog, bibliographic and full-text databases, and reference databases. Milner's collections include more than 1.7 million books, 26,885 electronic journals, and 32,000 multimedia items. Milner's Web site (www.library.ilstu.edu) serves as an electronic guide to library resources, services, facilities, and staff. In addition, Milner's "Ask a Librarian" service provides online access to live reference through Instant Messaging and email reference assistance.

Illinois State University students, faculty, and staff may borrow a laptop computer at the Course Reserves desk for use in Milner Library. A valid university identification card is required. Laptops are available on a first-come/first-served basis for up to three hours.

Milner Library is located on the northeast corner of the quad, next to the Bone Student Center. Each of its six floors provide a variety of study areas - learning spaces, individual carrels, small tables, group study spaces, and lounge chairs -- all located adjacent to books, periodicals, and other library materials. Each floor is devoted to a particular subject area -- the humanities, the social sciences, the sciences, and education-psychology -- with the main floor providing general resources and services, as well as a 110-workstation computer study area. A librarian-liaison is assigned to each campus department (listed at www.library.ilstu.edu/directory/specialists.php).

Through participation in a variety of consortia, Milner Library provides rapid interlibrary loan access to materials in library collections throughout the United States and the world. An Interlibrary Delivery System brings materials from other Illinois libraries to campus daily.

For a complete listing of Milner Library hours, call 309/438-3684 or see www.library.ilstu.edu/page/981. For research assistance, call 309/438-3451.

University Galleries and Museums

Founded in 1973, University Galleries is among the largest public exhibition spaces in downstate Illinois devoted to presenting a wide survey of contemporary art. University Galleries is a unit of the College of Fine Arts and is located in the Center for the Visual Arts building. The main focus of University Galleries is generating and traveling innovative exhibitions featuring locally, regionally, and nationally known artists working in a variety of mediums, styles and conceptual approaches. Also regularly scheduled are exhibitions of Illinois State faculty, student, and alumni artwork, as well as selections from the permanent collection of over two thousand 20th century paintings, drawings, prints, sculptures, photographs, and objects in glass, metals, wood, fiber and ceramic. University Galleries publishes illustrated catalogues that are distributed worldwide, and are available at a discount to all students, staff and faculty.

In addition to exhibitions, University Galleries presents extensive educational programs open to the university and general community, including artist lectures, panel discussions, workshops, films and video, guided tours, research and study facilities, informational brochures, and classes, internships, and student employment. University Galleries also hosts meetings, dance and music events, plays, performances, lectures, readings and films for a variety of university and community groups.

The Eyestone School Museum, a renovated 1900 one-room school, is located at Adelaide and College Streets. It is open by reservation only, through the College of Education.

The President's Gallery, located on the fourth floor of Hovey Hall, features works in multiple media by students and faculty artists who have studied or worked at Illinois State University.

Extended Learning

Illinois State University offers graduate courses and programs that a student can complete without traveling to the Normal campus. Courses and programs are offered in various formats:

Extension courses are taught by Illinois State faculty members at approved off-campus sites throughout the state. Courses are taught using a combined delivery of both classroom and online formats.

Internet courses utilize online materials, courseware, and discussion groups, and may be delivered in a synchronous or an asynchronous mode. Some internet courses include occasional onsite class sessions.

Contract educational services, programs, and courses are delivered through mutual contract to a business or educational site for a specific cohort or business entity.

For courses offered by Illinois State University, no differentiation is made between credits earned on campus, off campus, or online. For further information, contact the Office of Extended University at (309) 438-5288, or view the Web site at www.exu.ilstu.edu.

Quad Cities Graduate Study Center

The mission of the Quad-Cities Graduate Study Center is to provide graduate level coursework and programs to residents of the greater Quad Cities. Formed in 1969, the Center is a voluntary academic consortium of twelve public and private higher education institutions in Illinois and Iowa. The Graduate Center serves the needs of place-bound students whose work and family responsibilities make traditional on-campus study difficult. Courses are held during evening and weekend hours to accommodate students' daily schedules. Currently Illinois State University is offering the doctoral program in Educational Administration.

For information contact Quad Cities Graduate Center, 639 38th Street, Rock Island, Illinois 61201, (309) 794-7376, fax (309) 794-1905, email QC@gradcenter.org or Web site www.gradcenter.org or Illinois State University at www.ilstu.edu.

International Studies and Programs

The Office of International Studies and Programs (OISP) is the focal point for international activities at Illinois State University. The University's full scope of international activities -- undergraduate, graduate, professional, research, and training -- are coordinated by this office. The primary mission of OISP is to internationalize educational programs, research, and training opportunities, hence advance the understanding of international and cross-cultural issues across campus and for the community at large.

International Student and Scholar Services: The mission of International Student and Scholar Services is to provide guidance and support to international students and scholars. The unit is responsible for immigration advisement and academic assistance and offers a variety of services for international students and scholars, including an extensive orientation. The unit is also engaged in outreach through community-based groups.

Study Abroad: Study Abroad offers students opportunities for cross-cultural interaction; exposure to geographic, economic, and political diversity; and personal growth and adaptation in a foreign environment. The Unit provides year-round orientations, consultation and advisement, and follow-ups to assist students and program directors on a continuous basis before, during, and after their study abroad experience.

National Student Exchange: The National Student Exchange provides an opportunity for students to attend a member college or university in another state for up to two semesters while earning credit toward their home school's degree program. Illinois State is one of only two universities in the State of Illinois that participate in the NSE program. Such exchanges offer students the opportunity for cross-cultural interaction and exposure to geographic, economic, and political diversity, as well as personal growth.

Management Development International (MDI): Management Development International conducts professional certificate and diploma training programs, as well as custom-designed training programs, in a variety of fields for international clientele. Programs are offered on site at Illinois State and at many other locations around the world.

International House: International House is a multicultural living and learning center for American and international students at Illinois State. The primary responsibility of the International House Unit is to promote diversity among American and international students and to contribute to international understanding through commitment to developing friendships, providing cultural learning opportunities, and offering programs that extend these primary goals to the wider university and to the Bloomington/Normal community.

Unit for International Linkages: The Office of International Studies and Programs has established the Unit for International Linkages to increase scholarly activity and research throughout the world. The unit pursues and coordinates linkages with institutions in countries around the world.

Fulbright Program Development: The Office of International Studies provides guidance for Fulbright Program Development with support of faculty efforts toward international scholarship.

Intensive English Program

Illinois State University's English Language Institute, under the auspices of the College of Arts and Sciences, provides a special non-degree intensive program (20 hours per week) in English as a Second Language with equal emphasis on both communicative and academic needs for international students who wish to increase their English proficiency for graduate-level work or for international students on exchange programs. Although admission to ELI does not guarantee subsequent admission to a graduate degree program at the University, ELI students who attain a TOEFL score of 79 on the iBT, 213 on the computer-based test, or 550 on the pencil/paper test, or a higher score established by an individual department/school, can be admitted to a graduate degree program at the University provided they also meet the other requirements for admission specified by the Graduate School and the relevant department/school. Hence, international students who do not have the minimum TOEFL score for admission to a graduate degree program are encouraged to attend ELI first to prepare for admission to such a program at the University. Most students live in the University's campus housing, which gives them a chance to interact with students of all backgrounds. For further information, contact English Language Institute, Illinois State University, Campus Box 6123, Normal, IL 61790-6123.

Phone: 309-438-2072
Fax: 309-438-3031
Web site: www.eli.ilstu.edu
E-mail: eli@ilstu.edu

Preparing Future Faculty

Center for Teaching, Learning & Technology

Graduate Student Intern Program

The Center for Teaching, Learning & Technology (CTLT) offers one to three graduate student internships each semester (fall, spring). The goals of the program include the following: 1) to offer, with the student's department, an intensive opportunity to help prepare graduate students planning a career in college teaching; and 2) to have a positive impact on the student's teaching at Illinois State University. For additional information, contact Claire Lamonica (cclamon@ilstu.edu).

University Graduate Student Teaching Awards (GSTA)

The University Graduate Student Teaching Awards (GSTA) recognize outstanding contributions to teaching made by graduate students as part of their program and educational experience at Illinois State University. The awards honor both master's and doctoral students who have demonstrated excellence in teaching roles.

COSTS AND PAYMENT POLICY

Tuition and Fees

Tuition and fee rates for 2009-10 had not been determined at the time this catalog was printed. Therefore, the costs provided below are for the 2008-09 academic year. Tuition and fees for the 2009-10 academic year will be set by the Board of Trustees in May 2009. Fees other than health insurance are assessed at a per semester hour rate. Health insurance is assessed to all students enrolled in nine or more semester hours. For the most up-to-date rates and information, please refer to our web site: www.comptroller.ilstu.edu/studentaccounts. Tuition is assessed at per semester hour rates.

2008-09 RATE SCHEDULE

	Residents	Non-Residents
Tuition per semester hour:	\$204.00	\$424.00
Total Fees:	\$60.40	\$60.40

Fees per semester hour:

	2008-09
General Activity	\$7.30
Athletic and Service	\$15.28
Bone Student Center	\$8.15
Recreation and Athletic Facilities	\$7.51
Redbird Arena	\$5.14
Campus Enhancement	\$6.94
Health Service	\$9.62
Student to Student Grant	\$0.33
Grant-in-Aid	\$0.13

Health Insurance
(9 or more hrs.) \$161.00

Summer Session Costs

The 2009 summer session costs for tuition and fees are the same as above, except students enrolled for six semester hours or more and graduate assistants with tuition waivers in effect on the eighth calendar day of the session will pay \$116.00 for insurance.

Auditors

Fees for students who take all courses as auditors without credit are charged at the rates shown above.

Other Fees and Expenses

Registration Installment Fee per semester	\$ 35.00
Late registration fees charged after scheduled dates	25.00
Late payment fees (monthly)	10.00
Master's Thesis 499.01 (Audit)	204.00
Doctoral Dissertation 599.01 (Audit)	204.00
Degree completion application fee	30.00
—must be paid before published deadline	
Doctoral dissertation microfilming fee	65.00
Doctoral dissertation copyright fee (optional)	65.00
Doctoral dissertation Open Access fee (optional)	95.00

Material Charges listed under course offerings in the *Graduate Catalog* and i-Campus registration system are optional. A student may supply his or her own materials and request the instructor in writing to waive the materials charge.

Resident/Non-Resident Status

An applicant or enrolled student is classified either as a resident of Illinois, a nonresident, or a foreign student. Residency for tuition purposes is different from residency for voting, taxing purposes, or residency requirements of on-campus doctoral programs.

A student must be a U.S. citizen or have been approved for U.S. Permanent Resident status in order to be considered as an Illinois resident. An individual's residency status is based on information from the admission application. A student who is not a resident of Illinois pays the non-resident tuition fee as indicated. All other fees are the same for non-residents. A student under 18 years of age is considered a non-resident if the student's parents are not legal residents of Illinois. A student over 18 years of age is considered a non-resident if the student is not a legal resident of Illinois. A student who begins as a non-resident may later qualify for resident status. Guidelines for qualifying and special circumstances may be found on the University Registrar's web page. Personnel within Academic Records and Course Registration Services are responsible for determining residency. Tuition and fees are subject to change by action of the Board of Trustees and the General Assembly.

Payment of Tuition and Fees

The University offers a registration installment plan for the payment of tuition and fees for the fall and spring semesters. For those selecting that option, a \$35.00 registration installment fee per semester will be assessed, with approximately one-fourth due in August, September, October, and November for the fall semester, and one-fourth due in January, February, March, and April for the spring semester. The Student Accounts web site gives further information and lists specific dates.

Refund Policy

A registered student who officially withdraws from the University may receive a reduction of tuition and fees, including any advance deposit, according to the following schedule:

1. If withdrawal is prior to the first regularly scheduled class day, all tuition and fee charges are deleted.
2. If withdrawal is within the first fifteen calendar days after the first regularly scheduled class day, all tuition and fees minus a service charge of \$30.
3. If withdrawal is after the fifteenth calendar day but within the sixty percent point in time of the period of enrollment - a refund equal to the portion of the period of enrollment remaining, rounded downward to the nearest ten percent, less an administrative fee not to exceed the lesser of five percent of the initial tuition, fees, and other charges assessed the student or \$100.
4. If withdrawal is after the sixty percent point in time of the period of enrollment, no refund shall be made.

The University may designate shorter refund periods for summer session, special courses, and short courses.

All notifications of withdrawal or cancellation and requests for refunds must be in writing and addressed to Academic Records and Course Registration Services, Illinois State University, Campus Box 2204, Normal, IL 61790-2204.

A student who changes from full-time to part-time status or a part-time student who reduces the number of credit hours carried may receive a reduction of tuition and fees according to the following schedule:

1. If the reduction is on or before the fifteenth calendar day after the first regularly scheduled class day, all tuition and fees not applicable to the new part-time status will be reduced. A service charge is not applicable to a student who changes from full-time to part-time status.
2. If the reduction is after the fifteenth but no later than the thirtieth calendar day after the first regularly scheduled class day, twenty-five percent of the difference in tuition charge only is reduced.

The student may receive a refund of the insurance fee if the student demonstrates equal or better insurance coverage on or before the fifteenth calendar day after the first regularly scheduled class day.

A student whose course of study requires absence from campus for the entire term shall, upon proper application, receive refund of activity, health service, and athletic fees. The application for such refund must be made on or before the fifteenth calendar day after the first regularly scheduled class day.

Pursuant to guidelines established by the University, part or all of a student's tuition and fees may be refunded because of the student's death or disability, extreme hardship, or institutional error.

A student may receive a refund of tuition and fees if a scholarship is awarded which covers those fees. The application for refund must be made no later than 60 days after the close of the session.

A student may receive a refund of tuition and fees if the University declares him/her ineligible for enrolled status prior to the first day of regularly scheduled class.

The statement of the refund policy for university housing is a part of the housing contract.

Examples of the application of the refund policy may be obtained from the Student Accounts Office.

Students or parents who believe that individual circumstances warrant exceptions from published policy may appeal to the Associate Vice President for Student Affairs.

Notification of Rights under FERPA for Postsecondary Institutions

The Family Educational Rights and Privacy Act (FERPA) affords students certain rights with respect to their education records. These rights include:

(1) The right to inspect and review the student's education records within 45 days of the day the University receives a request for access.

A student should submit to the University Registrar a written request that identifies the record(s) the student wishes to inspect. The University official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the University official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.

(2) The right to request the amendment of the student's education records that the student believes are inaccurate, misleading, or otherwise in violation of the student's privacy rights under FERPA.

A student who wishes to ask the University to amend a record should write the University official responsible for the record, clearly identify the part of the record the student wants changed, and specify why it should be changed.

If the University decides not to amend the record as requested, the University will notify the student in writing of the decision and the student's right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.

(3) The right to provide written consent before the University discloses personally identifiable information from the student's education records, except to the extent that FERPA authorizes disclosure without consent.

The University discloses education records without a student's prior written consent under the FERPA exception for disclosure to school officials with legitimate educational interests. A school official is a person employed by the University in an administrative, supervisory, academic or research, or support staff position (including law enforcement unit personnel and health staff); a person or company with whom the University has contracted as its agent to provide a service instead of using University employees or officials (such as an attorney, auditor, or collection agent); a person serving on the Board of Trustees; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks.

A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibilities for the University.

Upon request, the University also discloses education records without consent to officials of another school in which a student seeks or intends to enroll.

(4) The right to file a complaint with the U.S. Department of Education concerning alleged failures by the University to comply with the requirements of FERPA. The name and address of the Office that administers FERPA is:

Family Policy Compliance Office
U.S. Department of Education
400 Maryland Avenue, SW
Washington, DC 20202-5901

Public Notification of Directory Information

At its discretion, Illinois State University may provide "directory information" in accordance with the provisions of the Family Educational Rights and Privacy Act of 1974 (FERPA). Directory information is defined as that information which would not generally be considered harmful or an invasion of privacy if disclosed. Designated directory information at Illinois State University includes the following: student's name, address (local & home), telephone listing, electronic email address, date and place of birth, major field of study, dates of attendance, grade level, enrollment status (e.g. undergraduate or graduate, full-time or part-time), participation in officially recognized activities or sports, weight or height of members of athletic teams, degrees, honors and awards received, and the most recent educational agency or institution attended. Students may block the public disclosure of directory information by notifying the Office of the University Registrar in writing prior to the first day of classes.

Please consider very carefully the consequences of a decision to withhold directory information. A non-disclosure block will call for Illinois State University not to release any of this "directory information"; thus, any future requests for such information from non-institutional persons or organizations will be refused.

Illinois State University will honor your request to withhold directory information but cannot assume responsibility to contact you for subsequent permission to release this information. Regardless of the effect upon you, Illinois State University assumes no liability as a result of honoring your instructions that such information be withheld.

Although the initial request may be filed at any time, requests for non-disclosure will be honored by the University until removed, in writing, by the student.

STUDENT SERVICES

Student Health Program

Student Health Service	(309) 438-8655
TDD	(309) 438-2498
Web site	www.shs.ilstu.edu
Student Insurance	(309) 438-2515

The Student Health Service and Student Insurance Office are located on the second floor of the Student Services Building on the corner of College Avenue and University Street, just west of the Bone Student Center.

The Student Health Program consists of two components: 1) the on-campus Student Health Service and 2) a comprehensive low cost Student Health and Accident Insurance Plan that supplements services available through the Student Health Service.

Eligibility and Fees

Regarding the Student Health Service, all students who register for one or more credit hours and are assessed general fees are entitled to use all the services at the on-campus clinic for the entire semester or session. A visit fee is assessed to the user's University account for each visit to the Student Health Service. Spring semester students who do not plan to attend summer session classes may obtain prepaid summer health care if they pay the appropriate health fee. Enrolled students may purchase Student Health Service access for spouses/domestic partners if they pay the fee. An eligible student who graduates may purchase one additional term prior to the expiration of the current term.

Regarding Student Health Insurance, all students who register for nine or more credit hours during the fall and spring semesters by the fifteenth calendar day of classes (or for six or more hours by the eighth day of the variable length summer session) and are assessed general fees are also assessed a health insurance premium.

On-Campus Student Health Service

The clinic is fully accredited by the Accreditation Association for Ambulatory Health Care, Inc. Services at the clinic are comparable to those offered by most private community physicians. The clinic is staffed with licensed physicians, nurse practitioners, physician assistants and nurses. Services available include a medical clinic, women's health clinic, diagnostic laboratory, radiology, pharmacy, allergy injections/immunizations, health promotion programs by health educators, etc. Students wanting to use the clinic should visit our secure web portal at <https://isuhealth.shs.ilstu.edu> or call (309) 438-APPT (2778) to schedule an appointment and bring their Illinois State Student ID when checking in.

Complicated illnesses or injuries requiring surgery or long term care will usually be referred to an outside specialist. New

students who have chronic medical conditions such as asthma, diabetes, or epilepsy, which require continuous monitoring and treatment, should retain the services of private physicians for the continuing supervision and management of their condition.

The Health Service will furnish supportive care and assist the student's private physician in the student's care if the private physician furnishes written instructions. There are medical specialists plus two hospitals in the Normal-Bloomington area that are equipped to handle medical problems should they arise. Information regarding medical services can be obtained by contacting Student Health Service, Main Reception Area, Room 226, Student Services Building, or by calling (309) 438-8655.

Student Health and Accident Insurance

The **Student Health Insurance Fee** provides a health and accident insurance policy intended to meet the needs of students without other insurance or to provide 100 percent coverage for insured expenses by coordinating with a family policy. Insurance coverage is world-wide. The policy includes a \$1,000,000 maximum, a \$1000 stop loss provision designed to provide catastrophic coverage while limiting out-of-pocket expenses, and a \$50 deductible. This deductible is waived if other insurance is also in force. The schedule of benefits includes services for hospital inpatient and outpatient use including emergencies, surgical and anesthesia fees, physician's charges, consultation expenses, lab and radiology expenses, and ambulance services. A complete schedule of benefits may be obtained from the Office of Student Insurance (Room 230) in the Student Services Building.

Student insurance coverage begins the Monday prior to the first day of regularly scheduled fall classes, the Thursday prior to the first day of regularly scheduled spring classes, and on the first day of classes for summer session. This coverage is terminated on the first day of classes of the next regularly scheduled term. Continuous year-round coverage is available if the student maintains University registration at nine or more hours during the first and second semesters and applies for summer coverage at the Student Health Insurance Office prior to the expiration of spring coverage. A summer insurance fee will be assessed in tuition and fees only by registration of six or more credit hours prior to the eighth calendar day of the variable length summer session. An insured student who graduates may purchase one additional term at the group rate by applying prior to graduation day. This policy contains no extension of benefits into a non-covered semester for any condition. Extension of coverage for existing conditions, such as maternity, is available through the continuation option, details of which can be obtained from the Student Insurance office. Although dependent coverage is not included in the Student Plan, the Student Insurance Office can provide suggested alternatives for students needing dependent coverage.

It is strongly recommended that students remain enrolled in this plan even if other health insurance is present. A request to cancel this insurance plan is permitted during the first 15 calendar days of each semester (eight days during the summer

session), for those students who prove they have comparable insurance coverage (insurance I.D. card or copy of policy) and complete the required petition in the Student Insurance Office. However, experience has often shown that the premium for the Illinois State plan is less than out-of-pocket bills that many have to pay because of higher deductibles and co-insurance provisions in their own policy. Additionally, students sometimes lose coverage through their parent's plan because of age limitations, changes in dependent status, or changes in employment of parents. Thus, it can be more economical to remain enrolled in the Illinois State plan.

The previous information is a summary of benefits and enrollment procedures. Persons desiring specific information about the Illinois State Student Health Insurance Plan should contact the Student Insurance Office, Room 230, Student Services Building, (309) 438-2515.

Living Accommodations

Students with disabilities are asked to contact the Director of Disability Concerns, Fell Hall 350, phone 309/438-5853, TTY 309/438-8620, if they need a special accommodation to reside in University residence halls or apartments.

On-Campus Apartments

Two University-owned apartment complexes provide students with an environment conducive to both personal and academic growth. Qualifying single graduates, upperclass students, married students, domestic partners, and students with dependents are eligible to occupy these unfurnished apartments. The complexes, Cardinal Court and 300 Shelbourne Drive, offer a quiet environment, community atmosphere, maintenance and repair service, spacious grounds, and good proximity to academic buildings.

For additional information and an application, contact University Housing Services at 309/438-8611 or visit our Web site at www.housing.ilstu.edu.

Residence Halls

The University has ten residence halls providing living accommodations for approximately 6,500 students. These facilities include spaces accessible to students with disabilities. Among the advantages offered by residence hall living are the convenience of location with meal service and the opportunity to select from many living-learning floors. Beginning in February, information about the residence halls and the housing application process is automatically sent to students admitted for the following fall semester. (The information is sent in November for students admitted for the spring semester). All residence halls are smoke free. Additional information regarding residence hall living may be obtained by contacting University Housing Services, 309/438-8611, or visit our Web site at www.housing.ilstu.edu.

Off-Campus

Apartments and rooms are available in the Normal-Bloomington community. The University has no participation in housing contracts issued to students renting space in private housing and does not participate in the inspection of any off-campus housing.

Financial Aid

General Information

Each year, many Illinois State graduate students receive financial assistance in the form of loans, scholarships, tuition waivers, grants, and employment. Financial Aid is coordinated through the Financial Aid Office, located in 231 Fell Hall. Office hours are 8 a.m. to 4:30 p.m. In addition, you may access information at www.IllinoisState.edu/financialaid, the Web site for the Financial Aid Office. General and specific information from the Web site includes:

- general information about the Illinois State Financial Aid Office, office hours, phone number and location; information concerning the application process, cost of attendance and programs available to students;
- a link to FAFSA on the Web, which allows you to file the Free Application for Federal Student Aid electronically;
- a link to Illinois State's iCampus portal so that once you have a university PIN you can check the status and progress of your aid application after being admitted to Illinois State. iCampus also allows you to review your financial aid awards and verify and/or update your address information on file with the Office of the University Registrar.

Using the e-mail address financialaid@IllinoisState.edu is another method of contacting the Financial Aid Office. You will receive a response to your question within two business days.

General Eligibility Criteria

To qualify for federal or state financial aid programs, you must:

1. Be a United States citizen or classified as a resident alien.
2. Complete and submit the Free Application for Federal Student Aid (FAFSA) to the federal processor either on paper or on the Web.
3. Be enrolled for a minimum of 5 hours per semester (half-time status). **Graduate students-at-large** may be eligible by appeal only if at least 6 hours of undergraduate prerequisites are needed for admission into a graduate program.
4. Not be in default of a Perkins Loan or any federally guaranteed loan.
5. Not owe a repayment to a federal grant program.
6. Make satisfactory academic progress toward a degree as defined by Illinois State University.
7. Be registered with Selective Service, if you are a male of at least 18 years of age, born after 1959, and not currently an active member of the U.S. Armed Forces.

NOTE: A student may not receive federal or state financial aid from more than one institution at the same time.

Application Procedures

To be considered for financial aid at Illinois State University, you must complete and submit either the Free Application for Federal Student Aid (FAFSA), the Renewal FAFSA, or FAFSA on the Web, www.IllinoisState.edu/financialaid, after January 1 for the next academic year. Information on the Renewal FAFSA will be sent to you from the federal proces-

sor if you applied for financial aid during the previous academic year. FAFSA on the Web checks for data that may be conflicting or erroneous. The FAFSA collects income information for the previous calendar year as well as current assets and is available from any financial aid office. This income and asset information determines your eligibility for need-based financial aid. The earlier that you file the FAFSA, the sooner you will receive notification of any financial aid awarded.

When completing either a paper application or FAFSA on the Web, be sure to use Illinois State's Title IV school code of 001692.

GRANTS AND SCHOLARSHIPS

Grants and scholarships are available on a limited basis through institutional and private sources for graduate students. Some institutional grants and scholarships include tuition waivers. These are described below. Private agencies including clubs, foundations, organizations, corporations, and churches may also offer limited assistance to graduate students. Dollar amounts listed under each scholarship or fellowship represent the total amount that is typically available for award in a given year. That amount may vary substantially due to changing rates of return on endowment accounts. If an awards committee judges multiple students to be equally qualified, it may elect to divide the funds among them. Each winning student will be informed by letter of the exact amount of his or her award.

Resolution Regarding Graduate Scholars, Fellows, Trainees, and Assistants

In 1965, the Council of Graduate Schools (CGS) approved the following resolution regarding offers of financial assistance such as scholarships and tuition waivers. The Graduate School endorses this resolution. Questions regarding the application of this resolution should be addressed to the Graduate School.

The acceptance of an offer of financial support (such as a graduate scholarship, fellowship, traineeship, or assistantship) for the next academic year by a prospective or enrolled graduate student completes an agreement that both student and Graduate School expect to honor. In that context, the conditions affecting such offers and their acceptance must be defined carefully and understood by all parties.

Students are under no obligation to respond to offers of financial support prior to April 15; earlier deadlines for acceptance of such offers violate the intent of this Resolution. In those instances in which a student accepts an offer before April 15, and subsequently desires to withdraw that acceptance, the student may submit in writing a resignation of the appointment at any time through April 15. However, an acceptance given or left in force after April 15 commits the student not to accept another offer without first obtaining a written release from the institution to which a commitment has been made. Similarly, an offer by an institution after April 15 is conditional on presentation by the student of the written release from any previously accepted offer. It is further agreed by the institutions and organization subscribing to the above Resolution that a copy of this Resolution should accompany every scholarship, fellowship, traineeship, and assistantship offer.

Graduate Assistantships: Graduate Assistantships, explained under Employment, receive tuition waiver fellowships in recognition of academic achievement. These are separate from the Graduate Tuition Waiver Awards. To view assistantship openings and apply for an assistantship position please see www.ilstu.edu/home/jobs/

Graduate Tuition Waiver Awards: Graduate Tuition Waivers are awarded on a competitive basis by departments/schools offering graduate programs and by the Office of International Studies to students who show promise for success and who have not received a fellowship or other award funding tuition costs. Students who are interested in a tuition waiver should complete an application provided by the department/school offering the degree program in which they wish to enroll. Applications are also on-line at www.grad.ilstu.edu. International students may apply to either their department/school or the Office of International Studies. Tuition waiver fellowships are also awarded to students as part of a graduate assistantship contract. Application available at: www.grad.ilstu.edu

Diversity Tuition Waiver Fellowships: Graduate Student Diversity Tuition Fellowships are limited and awarded on a case-by-case basis to U.S. citizens of African American, American Indian, Asian, or Hispanic descent. Graduate Student Diversity Tuition Fellowships may be received in addition to most other types of assistance; however, the receipt of a graduate assistantship includes a tuition waiver fellowship and therefore will result in withdrawal of this fellowship. Diversity tuition waiver fellowships cover tuition only. The student must pay additional required fees. The deadlines for priority consideration are as follows: Fall, July 1; Spring, October 1; Summer, March 1. Application form available at: www.grad.ilstu.edu

McNair Program Tuition Waiver Fellowships: The Graduate School awards a limited number of tuition waivers to incoming graduate students who are admitted to a graduate degree program and who have completed the requirements of a McNair Program Scholar at a college or university authorized to offer Ronald E. McNair Post-baccalaureate Achievement Programs. The application fee for admissions is waived. Please note on the application that you are a McNair Scholar.

McNair Book Scholarships: The Graduate School offers a \$500 book scholarship (\$250 for fall and spring semesters) for up to five incoming or continuing Ronald E. McNair Post-baccalaureate Achievement Program Scholars admitted to graduate degree programs at Illinois State University and enrolled full time. Scholars are recommended for the award by their graduate degree program advisor at Illinois State.

Project/Presentation Assistance Grant: Reimbursement of expenses (up to \$125) to carry out a project of scholarship, research or creative endeavor for the Symposium or to present a symposium project at a refereed conference or juried exhibition in the student's field, either before or after Symposium participation. Grant guidelines and application forms are available in the Symposium section of the Graduate School web site at www.grad.ilstu.edu.

The Ada Belle Clark Welsh Scholarship: The Ada Belle Clark Welsh Scholarship Fund provides a one-time award of approximately \$2,500, depending on available funds, to women admitted for graduate study who have prior involve-

ment in community or civic activities and who plan to have a career in liberal arts, humanities, teaching or improvement of teaching. Specific criteria shall include, in order of importance: a) a record of academic excellence, b) evidence of career goals in liberal arts, humanities, or teaching and c) financial need. Submission deadline is March 15. Application forms are available at: www.grad.ilstu.edu

Ora Bretall Scholarship: Ora Bretall Scholarships will be awarded on a one-time basis to persons enrolled in graduate programs at Illinois State University whose proposals for master's thesis or doctoral dissertation deal significantly with issues in educational theory or religious thought, and who show promise of continued contribution to the development of educational theory and practice. Educational theory refers to study in pedagogy, educational foundations, curriculum and educational administration. Eligible students from all colleges in the University may compete for an Ora Bretall Scholarship.

As a general guideline, an award of \$1,000 for master's thesis and \$2,000 for doctoral dissertation will be made, although variation to this standard may be made by the Scholarship Committee in relation to special aspects of the proposed thesis/dissertation project and funds available from the endowment.

The criteria for evaluation will emphasize scholarship and potential as demonstrated by a) the applicant's academic record, b) the accepted/defended thesis/dissertation abstract, and c) 2 letters of recommendation that speak to the contribution this research will make as well as the applicant's ability to complete the research successfully. Awards will be made twice a year. Application forms are available at www.grad.ilstu.edu. Submission deadlines are September 15 and March 15.

Donald F. McHenry Fellowship: The Donald F. McHenry Fellowship is a one-time award of \$6,000 to graduate students from groups that are underrepresented in graduate education. A tuition waiver for the academic year is also provided. Applicants must be U.S. citizens of African, Asian, Hispanic or Native American ethnicity, admitted to an Illinois State graduate program, and attend on a full-time basis. Scholarship, financial need, evidence of leadership, and career goals will all be considered. A McHenry fellowship recipient may also accept a graduate assistantship if the fellow meets the qualifications for that award. Application forms are available at www.grad.ilstu.edu. Submission deadline is March 15.

Lela Winegarner Scholarship for International Students: Lela Winegarner Scholarships are awarded to promising international students who are pursuing careers of service to their country. The selection committee evaluates applicants' demonstrated scholarship and potential for using their education in a service capacity in their native country. All international students admitted to an Illinois State University Graduate School program whose career objectives meet the above criteria are eligible. The amount of the awards will vary in accordance with available funds. Application forms are available at www.grad.ilstu.edu. Submission deadline is September 15.

Thesis and Dissertation Awards: The James L. Fisher Outstanding Thesis Award and the Clarence W. Sorensen Distinguished Dissertation Award provide recognition for completed theses and dissertations judged to be of the highest quality in university-wide competitions. A monetary award

accompanies this distinction. Nominations are put forward by academic departments/schools. More information is available at: <http://www.grad.ilstu.edu>.

Illinois State University Foundation Fellowship: The Foundation Fellowship for Graduate Students is an award of three thousand dollars (\$3,000) to incoming students who have demonstrated a potential for academic excellence at the graduate level. Applicants must have attained a cumulative grade point average of 3.6 on a 4.0 scale on previous undergraduate and graduate course work and must be admitted to a degree program by March 15. Application forms are available at www.grad.ilstu.edu. Submission deadline is March 15.

Diversifying Higher Education Faculty in Illinois (DFI): Awards are funded by the State of Illinois. The purpose of DFI is to increase the number of underrepresented faculty and staff in Illinois institutions of higher education and higher education governing boards.

To be considered for an award, an applicant must (a) be an Illinois resident; (b) be African American, Hispanic, Asian American, or Native American; (c) be a recipient of an earned baccalaureate degree; (d) be of above average academic ability as evidenced by admission to a graduate professional degree program, with a minimum GPA of 2.75 in the last 60 hours of undergraduate work or over a 3.2 in at least 9 hours of graduate study at a participating DFI institution; and (e) demonstrate financial need. Stipend levels are currently subject to change but are projected to be up to 20,000 for full-time enrollment. Award recipients in doctoral programs may receive awards for up to four years. Those in master's or professional degree programs may receive awards for up to two years. Applicants must plan on pursuing a career in teaching or administration at an Illinois post-secondary institution or Illinois higher education governing board. Applications are due February 20. To request information, please contact the Graduate School, (309) 438-2583, or view www.ibhe.org/Grants/RFP/FY2010/AppNew2010.pdf.

Project 1000: Project 1000 is a national program created to assist underrepresented students applying to graduate school. The application fee for admissions is waived. For additional information, contact the Graduate School or Project 1000 at mati.eas.asu.edu:8421/p1000 or 1-800-327-4893.

LOANS

Federal Direct Loan Program: As a participant in this program, Illinois State receives loan funds directly from the U.S. Department of Education. Illinois State also disburses your loan proceeds and applies the funds directly to your university charges. If your total financial aid exceeds charges, you will receive a refund.

There are two kinds of Direct Loans: subsidized and unsubsidized. Eligibility for the subsidized loan is based on financial need determined by the results of the FAFSA. There is no interest charged on the subsidized loan as long as you are enrolled at least half-time (a minimum of 5 hours per semester).

The maximum annual amount of subsidized loan is \$8,500. The actual amount you can borrow will depend on your total cost of attendance minus your Expected Financial Contribution plus any other financial aid that you are receiving including tuition waivers. A portion, or all, of this \$8,500 can be borrowed as unsubsidized loan if your financial need is not at least \$8,500.

As a graduate student, you may borrow additional unsubsidized loan up to the cost of attendance after subtracting other sources of financial aid including tuition waivers. The maximum amount of this additional loan is \$12,000. Interest on unsubsidized loans begins once the funds have been disbursed. This interest can be deferred while you are attending school at least half-time, but any unpaid interest will be added to the principal (capitalize) once you start repayment. The aggregate loan limit (total of all loans received as a graduate AND undergraduate student, but excluding Perkins Loan) is \$138,500, with no more than \$65,000 being subsidized loans.

Graduate Student-at-Large: If you are classified as a graduate student-at-large and need at least six undergraduate credits as prerequisites to entering a graduate program, you can submit an Appeal Form to the Financial Aid Office. This appeal is not granted automatically. If your appeal is granted, you will only be eligible for a subsidized and/or unsubsidized loan, subject to the undergraduate loan maximum and depending on your FAFSA data. **Your appeal is granted for up to one, continuous 12-month period of enrollment.**

Loan Counseling: All first-time borrowers at Illinois State are required to attend entrance loan counseling before your loan proceeds are released to Student Accounts. You may meet this requirement through a link from the Financial Aid Office Web site, www.IllinoisState.edu/financialaid.

After your loan is processed, you will receive your Award notice and information about completing an Electronic Promissory Note (EMPN) if you have not already done so. Read the note carefully. The interest rate for this loan is locked at 6.8%.

Check Distribution Information: The Student Accounts Office will mail checks for aid in excess of amounts owed the University throughout the academic year. Students should be prepared to buy books and have "start up" funds at the beginning of each semester.

Before any loan proceeds will be credited to your account, you may need to complete an entrance interview and a Promissory Note. Refer to the instructions on your Award Notice.

You should keep your local and permanent address information current. Financial aid refund checks will be mailed to your local address. Once you have a university PIN, you can update your address on the iCampus portal which can be accessed from the Financial Aid Office Web site, www.financialaid.ilstu.edu. Numerous university offices will use this address to contact you. Students are encouraged to contact the Student Accounts Office regarding sign-up for direct deposit of refunds.

Exit Information: Before you graduate or if your enrollment drops below five hours per semester, you will be sent information concerning exit loan counseling, which outlines loan repayment, consolidation, and deferment options. You may also get this information from the Exit Counseling link from the Financial Aid Office Web site, www.financialaid.ilstu.edu. You will begin loan repayment six months after you graduate or drop below half-time status (five hours per semester).

Employment

The university has two employment programs: regular student employment and Federal Work-Study (FWS). FWS is federally funded and awarded based on financial need. Qualifying for

the Federal Work-Study requires submission of the Free Application for Federal Student Aid (FAFSA). A limited number of graduate assistantships are partially funded by Federal Work-Study.

Regular, Federal Work-Study, and off-campus part-time job openings are accessible through the Web site www.ilstu.edu/home/jobs/. From this Web site, you can search for the type of job you would like by selecting a Classification. Classifications include Graduate Assistantships, off-campus employment, and on-campus (Student) employment. If you are interested in working on campus, you may also contact individual University offices directly to inquire about employment opportunities.

Drug-Free Workplace Policy: In response to and in compliance with the federal Drug-Free Workplace Act of 1988, Illinois State University reaffirms its commitment to prevent and prohibit the use of controlled substances on the campus or within facilities owned, operated, or controlled by the University. The following statement shall be considered a University policy applicable to all employees: the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is strictly prohibited upon any property owned, operated, or controlled by Illinois State University. Violators will be subject to University disciplinary action consistent with existing University policies, rules, regulations, and employment agreements.

Resolution Regarding Graduate Scholars, Fellows, Trainees, and Assistants

In 1965, the Council of Graduate Schools (CGS) approved the following resolution regarding offers of financial assistance such as assistantships. This resolution has been widely endorsed by universities across the country, including Illinois State. Questions regarding the application of this resolution should be addressed to the Graduate School.

Acceptance of an offer of financial support (such as a graduate scholarship, fellowship, traineeship, or assistantship) for the next academic year by a prospective or enrolled graduate student completes an agreement that both student and graduate school expect to honor. In that context, the conditions affecting such offers and their acceptance must be defined carefully and understood by all parties.

Students are under no obligation to respond to offers of financial support prior to April 15; earlier deadlines for acceptance of such offers violate the intent of this Resolution. In those instances in which a student accepts an offer before April 15, and subsequently desires to withdraw that acceptance, the student may submit in writing a resignation of the appointment at any time through April 15. However, an acceptance given or left in force after April 15 commits the student not to accept another offer without first obtaining a written release from the institution to which a commitment has been made. Similarly, an offer by an institution after April 15 is conditional on presentation by the student of the written release from any previously accepted offer. It is further agreed by the institutions and organization subscribing to the above Resolution that a copy of this Resolution should accompany every scholarship, fellowship, traineeship, and assistantship offer.

Graduate Assistantships: Graduate assistantships are provided as financial support for selected graduate students. They are intended to facilitate progress towards a graduate degree. Therefore such factors as satisfactory academic progress and time to degree are considerations for retaining assistantships. University employees, other than student employees, are not eligible for graduate assistantship appointments. Approximately one-third of all Illinois State graduate students have assistantship support. Graduate assistantships are available in most of the University departments/schools and non-academic units. Graduate assistants (GAs) may serve in one or more assistant categories: (a) teaching, (b) research, (c) residential living, (d) administrative/operational, and (e) graduate practicum. In each instance, the graduate assistant is assigned responsibilities that contribute directly to the individual's professional career. Students must be admitted to a specific graduate degree program to be awarded an assistantship. To be eligible for an assistantship, students must be fully admitted as a degree student in a graduate academic program or have a minimum of 120 graduate hours if in an integrated degree program. Students applying for assistantships for the first time after having taken graduate courses must have a minimum 3.0 graduate GPA based on a minimum of nine (9) graduate semester hours. Students who are applying for an assistantship before they have taken any graduate courses are eligible with a 2.8 admit GPA. Students-at-large or certificate-only students are not eligible for assistantships. Graduate teaching assistants (TAs) must have their oral English language proficiency certified by the Department Chairperson/School Director prior to instructional assignment. Teaching assistants whose native language is not English must (a) have a recommended speaking score of 26 or higher, but no less than 23, on the TOEFL iBT; or (b) receive a passing score and submit the results of the Test of Spoken English (TSE) prior to arrival on campus; or (c) be evaluated on campus. Graduate assistants on full assistantships requiring 20 hours of work each week may not be employed in any other capacity by Illinois State. Depending on the nature of the assignment, a full-time position requiring less than 20 hours may be appropriate, but should not be less than 11 hours. Those graduate students with less than 20 hours per week may work additional hours on campus as student employees but the total employment cannot exceed 20 hours per week. Graduate Assistants with summer appointments may work more than 20 hours per week on campus. Exceptions to Graduate School regulations must be individually approved by the Graduate School.

All international students with graduate assistantships who receive a temporary Illinois State University identification number from International Studies must obtain a Social Security Number (SSN) from the Social Security Administration before a paycheck can be issued. Upon receiving a SSN, the student must notify the following areas of the number to ensure a paycheck can be processed:

- Non-Resident Alien Tax Specialist (Hovey Hall 106)
- Student Service & Referral Center (Moulton Hall 107)

The appointing unit should verify that the student has notified the areas listed above of the SSN within the designated time-frame and must notify Human Resources so the student's appointment paperwork can be updated and a paycheck can be processed. If the student is unable to obtain a SSN in time to be issued a paycheck, the appointing unit can request an interest-free emergency loan from the Graduate School for up to 80 percent of the GA's monthly stipend. To request a loan, contact Shirley Craig in Human Resources at 309/438-8844.

A graduate assistant must maintain a 3.0 cumulative average in order to continue to keep the assistantship. If a graduate assistant's semester GPA falls below 3.0 but his or her cumulative GPA remains at 3.0 or higher, departments/schools should consider whether continuation of the assistantship will interfere with the graduate assistant's future academic progress in the degree program.

The registration and insurance fees for graduate assistants are the same as fees assessed for any other graduate student. Graduate assistants also receive a tuition waiver fellowship in recognition of their academic achievement. Graduate students who receive assistantships need to be aware that tuition waivers are considered a resource and could reduce the amount of loan dollars a student is eligible to receive or may have already received if the assistantship is approved after the student loan has been awarded. Students who receive tuition waivers after their loans have been disbursed may have to repay all of part of their loans depending on the total loan received and the amount of financial aid for which they are eligible.

Students who are *not* eligible to hold a graduate assistantship cannot receive these tuition waiver fellowships; however, they may be eligible for Graduate Tuition Waiver Awards (listed under Grants and Scholarships). Tuition waiver fellowships are separate from the Graduate Tuition Waiver Awards. In addition, students *not* eligible to hold a graduate assistantship may be eligible to work as regular student employees.

All graduate assistants must have adequate health/accident insurance coverage in force during the entire period of the appointment. No graduate assistant is allowed to begin work without a signed appointment notification. At the time of signing the offer letter, the student must also complete a Health Insurance Certification form. Coverage must be either privately procured or obtained through the University's group health insurance plan. All students registered for nine or more credit hours by the 15th day of the fall/spring semester (six or more credit hours by the 8th day of the summer session) will automatically be assessed for, and be included in, the University group health insurance plan or within 15 days of the assistantship start date. Graduate assistants registered for less than nine credit hours in the fall or spring (less than six credit hours in summer) will not have the insurance fee automatically assessed. Those graduate assistants must contact the Student Insurance Office before the 15th calendar day of each semester (before the 8th calendar day of the summer session) to pay premiums. Students are eligible to purchase coverage for no more than four consecutive terms. Graduate Assistants with early or late start dates can purchase insurance by paying the fee to the Student Insurance office within 15 days of the start date. Students registered for audit hours only are not eligible to purchase insurance.

Student Health and Accident Insurance information can be found in the Student Health Program section, or information can be provided by contacting the Student Insurance Office in the Student Services Building, Room 230, 309/438-2515. For more information, see the Graduate Assistant Handbook on the Human Resources Web site: (www.hrilstu.edu/downloads/GA_Handbook).

Immigration Reform and Control Act of 1986: It is the policy of Illinois State University to comply with the Immigration Reform and Control Act of 1986. Therefore, all employees must furnish documentation prior to employment to establish both their employment authorization and identity. All employment is contingent upon a review and verification of such documents.

Applying for a Graduate Assistantship: Students apply and search for graduate assistantships online at www.ilstu.edu/home/jobs/. Full instructions are on the Web site. Please see your department/school's Web site or your graduate coordinator for information about any exceptions to online posting.

Veterans Services

The Office of Veterans Services, 112 Moulton Hall, advises student-veterans and certain dependents (spouse and/or children of veterans) on matters relating to Department of Veterans Affairs educational benefits and payments. For more information, the student should contact the Office of Veterans Services, 309/438-2207. Public service hours are from 9 a.m. to 12 noon and from 1 p.m. to 4 p.m., Monday through Friday.

Withdrawal From All Courses

Should you need to withdraw from all courses (withdrawal from the University), you need to provide the Office of the University Registrar (Campus Box 2202, Normal IL, 61790-2202, or fax to 309/438-8652) a signed, written notice that you intend to withdraw. The date you provide written notice is considered your withdrawal date. Your withdrawal date will be used in the calculation of repayments or reduction of charges.

Enrollment Changes and Financial Aid Eligibility

Reduction in Hours: Reducing your credit hours has implications for both your aid eligibility for the current semester and future terms. Your aid eligibility is based on the number of credit hours for which you are enrolled on census day, usually the Friday of the second week of classes. If your aid was disbursed based on full-time enrollment (12 credits undergraduate; 9 credits graduate) and you drop to part-time on or before census day, your aid may be reduced. If you drop after the day withdrawal grades are assigned, the withdrawal grades will reduce your percentage completion rate, which is part of the standards of Satisfactory Academic Progress for the receipt of financial aid. These standards are posted on the financial aid Web site: www.financialaid.ilstu.edu.

Withdrawal: Federal regulations state that financial aid is earned by attending class. You have not earned 100 percent of your financial aid until you have attended 60 percent of the term. If you withdraw before this date, a portion of your financial aid has not been earned. The unearned portion is equal to the percentage of the term remaining on the date of withdrawal. Your financial aid eligibility will be recalculated based on your actual period of attendance; you may be asked to repay a portion of the aid that had been disbursed to you.

Failure to Earn Credit: If you fail to earn credit for any of your classes (receive F, I, and/or NC), federal regulations require the Financial Aid Office to assume you unofficially withdrew by ceasing to attend classes. An unofficial withdrawal means that the midpoint of the term is used as your last date of attendance, and your aid eligibility is reduced by up to 50 percent. This will result in you owing funds back to the

university unless you can provide documentation of attendance past the midpoint of the term.

Confidentiality and the Release of Information

The Financial Aid Office will release information about the financial status of a student to those parties within the University if it is related to your attendance at Illinois State. Inquiries from off-campus agencies and/or landlords will be answered by Financial Aid Office staff only if you have given consent in writing to the Financial Aid Office.

To protect the confidentiality of your records, the Financial Aid Office will require proper identification from the requesting party before releasing any of your information. A documentation notice will also be placed in your financial aid file.

Satisfactory Academic Progress

All students who receive federal and state financial aid must meet federal and institutional standards for academic progress in order to establish and retain aid eligibility. Students receiving athletic or other university administered awards must also meet the satisfactory academic progress standards that have been established by the awarding entity.

Academic progress for federal and state financial aid programs is based on three measures: cumulative grade-point average, completion rate based on credit hours completed compared to attempted, and a maximum time frame for degree completion. The following describes the university's standards for each of these three measures, and when these standards are reviewed:

Cumulative Grade-Point Average: Graduate Students must have a minimum cumulative GPA of 3.0 based on credits earned at Illinois State University. Students who fail to meet this requirement will either be terminated from that degree program or placed on academic probation by the Graduate School. Upon recommendation of the department/school, the student can be placed on academic probation and provided with a period of time not to exceed two academic terms (including summer if enrolled) or a number of credit hours not to exceed 12 credits, within which to raise the GPA to the required standard. The Graduate School will terminate a student who fails to bring the cumulative GPA up to a minimum of 3.0 during the probationary period from that degree program. The student can receive financial aid during the probationary period. The Graduate School will send a letter of probation/termination to any students who fall below a 3.0.

Completion Rate: All students are required to complete a minimum of 67 percent of the credit hours attempted at Illinois State University. Courses with a grade of "D" or higher, as well as "CR" or "CT," count as completed. Credit hours attempted include audits, incompletes, withdrawals, and repeated or failed classes. However, thesis and dissertation credits are excluded from the completion rate calculation because these two types of credits are not graded.

Maximum Timeframe: The maximum number of graduate credit hours for which a student is eligible to receive financial aid is equivalent to 150 percent of the total hours required for the student's degree program as published in the Graduate Catalog. This is based on federal regulations that limit the maximum timeframe for the completion of a degree to 150 percent of the published length of the degree

program. This is equivalent to a maximum number of credit hours that includes transfer credits and all attempted credit hours at Illinois State University. Credit hours attempted include completed credits, audits, incompletes, withdrawals, and repeated or failed classes. The maximum number of credits allowed for a subsequent degree program at ISU exclude the credits from any previous degree(s) earned at ISU.

Review of Progress Standards

Cumulative GPA is reviewed at the end of each period of enrollment -- fall semester, spring semester, and summer session -- for both financial aid eligibility and for continued enrollment at Illinois State University.

Completion rate is reviewed upon submission of a financial aid application (the FAFSA), and at the end of each period of enrollment, including the summer session. The Financial Aid Office sends a "warning letter" to any aid recipient who has not completed 67 percent of hours attempted at the end of the summer session or fall semester. Aid eligibility is suspended at the end of the spring semester for any aid recipient who does not meet the 67 percent completion standard.

Maximum timeframe is reviewed upon submission of a financial aid application (the FAFSA), and at the end of each enrollment period, including the summer session. The Financial Aid Office sends a "warning letter" to any aid recipient who is within 15 hours of reaching the maximum attempted hours for his or her degree program.

Notification/Appeals

If financial aid eligibility is suspended as a result of failure to meet the completion rate or maximum timeframe standard, the Financial Aid Office sends a letter to the student including a Satisfactory Academic Progress Appeal Form. The Appeal Form must include reasons for the student's failure to meet the academic standard and any appropriate documentation. Appeal Forms must be submitted to the Financial Aid Office within thirty (30) days of the date of the letter and are reviewed by the Graduate School. For the completion rate standard, the student may also restore aid eligibility by earning enough additional hours to meet or exceed the 67 percent standard.

If the student is not meeting the GPA standard, the student also will receive instructions on Academic Probation from the Graduate School.

Student Life and Services

University Policy Manual: The University Policy Manual contains University policies and procedures including those approved by the Academic Senate. Also included are operational policies, the Code of Ethics, resolutions, statements and special committees. Copies are available in departmental offices.

Disability Concerns

350 Fell Hall, (309) 438-5853

TTY: (309) 438-8620, FAX: (309) 438-7713

www.disabilityconcerns.ilstu.edu

ableisu@ilstu.edu

Disability Concerns, a unit of the Student Affairs Division, is the office that is designated to provide reasonable accommodations for students and visitors with disabilities.

The mission of Disability Concerns is to ensure full and equal participation for persons with disabilities in the Illinois State University community through:

- empowering individuals
- promoting equal access
- encouraging self-advocacy
- reducing attitudinal, physical, and communications barriers
- providing appropriate accommodations

Disability Concerns provides accommodation services that support people with disabilities in:

- the realization of academic goals
- reaching professional goals
- becoming contributing members of society and life-long learners

To receive accommodations from Disability Concerns, appropriate medical/psycho-educational documentation must be provided. Upon acceptance of the documentation, by the Documentation Review Committee, the Coordinator works with the student, on a case-by-case basis to determine the impact of the disability and the appropriate accommodation(s). Disability Concerns offers a variety of accommodations to meet the needs of persons with disabilities. General examples of the types of accommodations provided are exam accommodations, sign language interpreters, notetakers, assistive technologies and materials in alternative formats.

Disability Concerns provides many accommodations through a volunteer model. This volunteer model contributes to and reduces attitudinal barriers while promoting an understanding and respect for persons with disabilities. All students, faculty, staff, and alumni of the University are encouraged to volunteer their time and talents. This volunteer program offers the opportunity to obtain volunteer hours, develop experience to enhance a resume, and perhaps most importantly, develop skills that encourage and promote diversity. Persons interested in providing volunteer assistance should inquire at Disability Concerns.

Community Rights and Responsibilities

120 Student Services Building

Campus Box 2440

Phone: (309) 438-8621

www.deanofstudents.ilstu.edu

crr@ilstu.edu

Community Rights and Responsibilities, a unit of the Dean of Students Office, coordinates the University's student disciplinary, grievance, and conflict resolution processes. Student disciplinary matters are reviewed both by administrative staff and by the University Hearing Panel, while student grievances against faculty and staff are reviewed by the Student Grievance Committee. Appeals of both processes are reviewed by the Student Code Enforcement and Review Board.

For students engaged in conflicts with other members of the community, alternative dispute resolution services are also provided. Mediation is available in many cases where the parties agree to attempt to develop a solution to satisfy both/all parties. Both student and administrative forms of dispute resolution, such as facilitation and negotiation are available as deemed appropriate.

Child Care Center: Open to students, Illinois State Child Care Center offers high quality, affordable child care services to children 3-8 years of age. It is open during the fall, spring, and summer semesters. Hours are 7:30 a.m. to 5:30 p.m. during the fall and spring and 7:30 a.m. to 5:00 p.m. during the summer. The Center is licensed for 30 children at a time with care provided in 124 Turner. Those with questions should phone (309) 438-5026, e-mail kstephen@ilstu.edu, or visit 124 Turner Hall and ask for the Director. Enrollment applications can be downloaded from the Child Care Center Web site at www.childcarecenter.ilstu.edu.

Campus Transportation: The Bloomington/Normal Public Transit System provides public bus transportation during the day in areas around the Twin Cities, including the campus community. Nite Ride, an evening bus service, is contracted by the student body and paid for by student fees. Nite Ride operates from 7 p.m. to 1 a.m. on days when classes are in session. Routes will take students to major student population areas, selected shopping malls, and throughout campus.

Bone Student Center
100 N. University Street
Campus Box 2640
Phone: (309) 438-4636 (INFO), TDD (309) 438-8543
www.bsc.ilstu.edu
infocentre@ilstu.edu

Named for the institution's ninth president, the Bone Student Center (BSC) serves as a hub of student activities and services. Committed to serving the needs of the University community, the BSC includes eateries such as McAlister's Deli, Burger King, Pizza Hut Express, Freshens, and The Cage II coffee shop. Additional services include the Illinois State Bookstore in partnership with Barnes and Noble, the ISU Credit Union, TechZone, PIP Printing, the Lobby Shop convenience store, and the InfoCentre information desk. The Bone Student Center also serves as home to Leadership and Service, the University Program Board, the Student Involvement Center, the Dean of Students Office, and the Redbird Card Office.

Braden Auditorium, an academic and public service facility, seats 3,457 and offers premier entertainment for the University and local community. The Braden Box Office, an official TicketMaster outlet located in the Bone Student Center, sells tickets to Braden performances, Peoria Charter and Burlington Trailways bus tickets, and provides personal check cashing.

Adjacent to the BSC is the Bowling and Billiards Center (BBC). With 10 lanes of bowling and 18 billiards tables, the BBC plays host to the Illinois State Bowling Team.

Diversity Advocacy
387 Student Services Building
Campus Box 2702
Phone: (309) 438-8968
www.deanofstudents.ilstu.edu

Diversity Advocacy, a unit of the Dean of Students Office, plans programs to promote diversity and raise cultural awareness in students, faculty, and staff and provides support for underrepresented populations through advocacy, outreach, and education. The unit coordinates a wide variety of educational experiences designed to celebrate and

reflect the diversity that makes up the Illinois State community, including, but not limited to: African-Americans, Asian-Americans, Gay Lesbian Bisexual and Transgender persons, Latinos/Latinas, Native Americans, women, persons with disabilities, and Multi-Ethnic individuals.

Through MECCPAC (Multi Ethnic Cultural and Co-Curricular Programming Advisory Committee), Diversity Advocacy provides funds to co-sponsor diversity and cultural development by other departments and student organizations. The unit also plays a role in developing student recruitment and retention initiatives and collaborates with faculty and academic departments to enhance in-and-out-of-classroom experiences.

Orientation for New Graduate Students

In recognition of the tight schedules faced by many graduate students and the fact that some graduate students are enrolled off campus, the orientation for new graduate students is now provided online. Orientation materials may be accessed at any time by visiting www.grad.ilstu.edu/downloads/orientation.pdf. Milner Library and other campus programs may also have special orientation programs for graduate students. Information on those programs is included in the online materials.

Student Counseling Services
320 Student Services Building
Voice: (309) 438-3655; TDD: (309) 438-5489
www.counseling.ilstu.edu

Student Counseling Services (SCS) provides a full range of counseling services, including personal and career counseling, group counseling, crisis intervention and on-call services after regular office hours. All services are provided to students on a voluntary, confidential, and no-fee basis.

Group Counseling: Group counseling is often the best option for many students seeking help at SCS. Groups typically focus on several issues during the course of a semester depending on the needs of the group members. Topics frequently addressed include relationships, self-esteem, interpersonal problems, eating disorders, assertiveness, family-of-origin issues, sexual orientation, grief support, and women's issues.

Individual Counseling: Short term counseling is available to address concerns often presented by students such as relationships, identity, decision-making, unwanted habits, life decisions, lack of motivation, difficulties with self-esteem, and stress management. SCS also provides individual counseling for more severe emotional or psychological problems and can refer students for consultation with a psychiatrist.

Career Counseling: The SCS provides career counseling and assessment to assist students in choosing a major or developing career plans. The SCS also teaches an eight-week, 1-credit, Career Choice Course, IDS 106, to assist students in career planning.

Outreach and Consultation Services: The SCS provides a broad range of developmental and preventative programming, including custom designed programs and training for student organizations, and consultation services for faculty and staff. The SCS addresses diversity through educational sessions and through the Guerrilla Theatre, which does

"acting on social issues." The Guerrilla Theatre is comprised of student volunteers who perform theatrical skits on a variety of social issues.

The SCS also offers assistance via the Web at www.counseling.ilstu.edu. The SCS Web page features the "Self-Help" section, complete with helpful articles on such topics as career planning, anxiety management, depression, and relationship issues. Students can also complete on-line self-assessments on a variety of topics, including alcohol consumption and symptoms related to depression or disordered eating.

Parent Services

144 Bone Student Center

Campus Box 2640

Phone: (309) 438-3753, TDD: (309) 438-2762

www.deanofstudents.ilstu.edu

parentservices@ilstu.edu

Parent Services, a unit of the Dean of Students Office, provides support and assistance to parents and family members of Illinois State students. The unit provides information, resources, and materials about the University, and also develops programs that promote family involvement, such as Family Weekend. The unit also serves to convey the suggestions and concerns of parents to the University community.

Recreation Services

Student Recreation Building, Beech and Willow,

(309) 438-PLAY

Outdoor Adventure Rental Center, 220 N. Main,

(309) 438-8419

Recreation Services encourages personal enrichment by providing a variety of leisure experiences and recreational opportunities. Consult the department's Website at www.rec.ilstu.edu for a comprehensive guide to the many services, programs, facilities, and events provided by the department each semester.

The department operates two facilities: The Student Recreation Building and The Outdoor Adventure Rental Center. The Student Recreation Building features open recreation areas for racquetball, walleyball, basketball, walking/jogging, and sand volleyball; all of which are open to ISU Students with a valid University ID. It also includes a juice bar and locker rooms with saunas. Take advantage of everything a Weights Plus membership has to offer in this facility including cardiovascular, circuit training, and free weight equipment. Experience the benefits of a Group Fitness membership at the Student Recreation Building with unlimited access to our many fitness classes. You can also enjoy the best of both memberships by purchasing a combo pass.

The Outdoor Adventure Rental Center offers a wide assortment of outdoor equipment available to rent with discounted rates for Illinois State University students. The Outdoor Adventure Library is also located in this facility to help you plan any excursion.

Don't miss all the other programming opportunities available through Recreation Services. RecSports has an action-packed intramural sports schedule. Adventure Trips provide opportunities to canoe, camp, raft, skydive, and more. Leisure U.

offers a variety of non-credit classes. Numerous extramural sports opportunities exist through Sports Clubs, which are registered student organizations predominantly run by students and assisted by our department. The department also offers student employment positions in a variety of programs.

Career Center

185 Student Services Building

(309) 438-2200

www.careercenter@ilstu.edu

The Career Center is a valuable central resource for students, alumni, employers, and faculty, and for a wide variety of employers in search of well prepared candidates. The Center assists students in exploring satisfying career opportunities that fit their talents, interests, and goals. Assistance is also provided in obtaining off-campus part-time positions, graduate/professional school opportunities, internships, and permanent full-time employment opportunities.

The Career Center provides individual career planning assistance, computerized resume referral to employers, job listings, on-campus interviewing, and employer outreach. Several career events are offered throughout the academic year to facilitate students and alumni meeting with employers from business, industry, government, education, and non-profit agencies. The office coordinates on-campus recruitment activities, and students can meet with career counselors for cover letter and resume critiques, mock interviews, and to learn about labor market outlook and salary information. Students are encouraged to develop portfolios and self-managed credential files.

Career resources are also available online. Information provided is related to any stage of the career process (e.g., assessing interests and abilities, clarifying career direction, internship opportunities, job search resources, information about career fairs, creating a resume and interviewing).

Professional Practice: Nationally recognized, this program offers academically qualified students an opportunity to integrate classroom study with one or more terms of paid or unpaid internship or co-op experience in a work environment related to the student's academic and career goals. Nearly 6,000 organizations in the U.S. and abroad have served as learning sites. Students interested in enrolling in internships or co-op experiences (typically described as "98" series in the catalog) should contact the internship coordinator in their department/school or Career Center early in their undergraduate program to insure proper arrangement.

An *Internship* is a professionally monitored work or service experience for students that provides intentional learning goals and reflects actively on the learning experience. They can be part time or full time and paid or unpaid. Tuition and fees are assessed in the usual manner for all credit earned in internship experiences.

Cooperative Education is an educational pattern that allows for alternating or parallel periods of campus study and paid, educationally related work experiences.

For more information, contact Pamela J. Cooper in the Career Center at pjcoope@ilstu.edu or by phone at (309) 438-2200, Monday through Friday from 8 a.m. to 4:30 p.m., or see the Career Center Web site at www.careercenter.ilstu.edu.

Other University Services

Research and Sponsored Programs: The Research and Sponsored Programs Office (RSP) provides centralized support for faculty, staff, and students who apply for and receive external funding for instructional, research, public service, or creative activities. The RSP provides technical expertise and institutional management oversight for these projects and is the designated institutional liaison with federal, state, and private funding sources. The office also handles many of the legal and regulatory aspects of externally sponsored projects. The RSP is responsible for submission of sponsored projects proposals, contract negotiation and acceptance, and institutional compliance with state and federal rules and regulations related to sponsored project activities. Signatures for externally sponsored grants and contracts must be obtained from the RSP.

Appropriate Use Policy: The University's Appropriate Use Policy establishes the appropriate use of computing and telecommunication networks, computing equipment, and technology resources. Users must agree to abide by this policy prior to gaining access to Illinois State resources. The policy includes provisions for the observance of all copyright laws. The full text of the policy is available at www.policy.ilstu.edu/.

Student Computer Ownership Initiative: All students new to the University are required to bring a personal computer that meets the University's published minimum hardware and software standards. For mobility and flexibility reasons, laptops are strongly recommended. No student will be prevented from attending classes based on an inability to purchase a computer. Various financial resources are available to students, including adding the cost of a computer to a student's "total cost of attendance." The cost of attendance is one of the factors that determines the amount of financial aid offered. Assistance, help, specifications, and more information on the policy can be found at TechZone (Bone Student Center, 2nd floor or www.techzone.ilstu.org).

iCampus Portal: The iCampus Portal, at www.icampus.ilstu.edu, allows students to register for classes; view the course Registration Directory and Planner; and view their grades, schedule, textbooks, financial aid status, email, Redbird card balance, and more through a Web browser from anywhere in the world.

Internet Access: There are many convenient methods for connecting to Illinois State University over the Internet. All residence halls provide high-speed Ethernet access. There are also public network jacks and wireless connectivity available in many locations on campus for mobile laptop users, including areas in Milner Library, the Bone Student Center, and all residence hall dining areas. The University Computer Help Desk maintains a download site, which provides Illinois State students with browsers, email clients, virus protection, spyware detection, mobile printing software, and other useful tools, all configured to reach Illinois State resources. It is available free of charge with a University login (ULID) and password at www.helpdesk.ilstu.edu.

Computer Security: To protect your computer and the campus network from viruses, worms, trojans, and the like, you must install the free anti-virus software provided by the University and set it to automatically update the virus definition files. You must insure that your computer presents no

risk to the campus community by installing free critical updates to the operating system. Computers vulnerable to viruses and the like will be blocked from accessing the network. Further information on computer security requirements is available at www.helpdesk.ilstu.edu/security.

Computer Laboratories: Personal Computers (PCs) for doing work outside of class are available to students in over 75 computer labs at various locations on campus. PC and Macintosh computers are available, along with printers, scanners and copiers in some locations. Software tools such as email, browsers, word processing, graphics, spreadsheets, and course-specific software are available in varying configurations at all computer lab locations.

Four of the larger computer labs are called University Labs, or uLabs. Two of the uLabs, in Stevenson 250 and Milner Library, are general purpose labs available to all students with a valid Illinois State University ID. The other three uLabs are general purpose labs located in three different residence halls, and are available to all residence hall students. Specific information about the uLabs, including operating hours, software available, and directions, may be found at www.ulabs.ilstu.edu.

Office of Parking and Transportation
709 N. Main
(309) 438-8391 or (309) 438-PARK
www.parking.ilstu.edu

During the posted hours, all vehicles occupying University parking facilities, other than metered spaces (enforced 24 hours a day, seven days a week), must display a valid and appropriate parking permit obtained from the Office of Parking and Transportation. Office hours are 7:30 a.m. to 4:30 p.m., Monday through Friday. A valid ISU I.D. is required to purchase a permit.

University Advancement

Alumni Relations: Once a Redbird, always a Redbird! As far back as 1863, graduates of Illinois State have met to renew friendships, help one another find jobs, and return to campus for celebrations like Homecoming. Today, our more than 177,000 alumni carry on these traditions in addition to networking online, donating monies for student scholarships, and supporting Redbird Athletics. Membership in the Alumni Association is free, but the benefits are priceless.

Contact Alumni Relations to learn how you can connect with alumni for internships, mentoring, professional networking, and much more. Check out opportunities for involvement like the Student Alumni Council or the annual Homecoming celebration. Visit us on the web, or in person at the Illinois State University Alumni Centers on campus (1101 N. Main) or in Chicago (150 S. Michigan Avenue). Spread the Red!

Foundation: The Illinois State University Foundation is a not-for-profit corporation chartered by the State of Illinois for the sole purpose of soliciting, receiving, holding, investing, and administering gifts, grants, real property, historical papers, collections, and other materials which support and enhance educational opportunities at Illinois State University. The Foundation owns the Illinois State University Alumni Center, where the Foundation, Alumni Relations, and other university functions are located. The Foundation also owns and operates Ewing Cultural

Center, which comprises Ewing Manor, The Theatre at Ewing (home of the Illinois Shakespeare Festival), and the Genevieve Green Garden. It also maintains an office in Chicago which supports alumni and staff of Illinois State University and houses Chicago-based staff of Alumni Relations, Development, and the Office of Admissions. A Board of Directors comprised of alumni, friends of the University, and ex-officio campus representatives oversees the policies for the Illinois State University Foundation.

Gifts made to the Illinois State University Foundation are tax deductible as provided by law. Further information about the Foundation may be obtained by contacting the Vice President for University Advancement, (309) 438-7681.

Development Office: The Office of Development works with the Foundation to coordinate long-range programs to encourage private giving from the broad range of the University's constituencies. The financial support generated through private giving provides resources for scholarships, faculty research, departmental programming, facilities and equipment, and endowments. The Development Office is located in the Illinois State University Alumni Center (1101 N. Main, Normal).

Donor and Information Services: Located in the Illinois State University Alumni Center (1101 N. Main, Normal), Donor and Information Services supports the University's fundraising and donor outreach efforts. The department maintains the University's alumni and development database and provides assistance to development staff and others on campus involved in alumni, fund-raising, and donor stewardship activities.

University Marketing and Communications: University Marketing and Communications (UMC) concentrates on sharing the Illinois State University story with internal and external audiences. UMC's services to the University community include: editorial (writing and copy editing), graphic design, photography, video, printing, advertising, and integrated marketing. Illinois State, the University's quarterly alumni magazine, is among the many publications UMC produces. UMC also manages licensing agreements and the trademark royalty program. UMC has offices in the Illinois State University Alumni Center and the Nelson Smith Building.

ADMISSION

Admission Requirements

Admission requirements for the master's, specialist, M.F.A., Ph.D., Ed.D., Au.D., and non-degree graduate certificates are provided in this catalog under the heading *Degrees Granted and Advanced Graduate Study*. Also, see the department/school sections.

Eligibility: A student who has completed work for a bachelor's degree or its equivalent, as determined by the Graduate School, or who will do so within one academic year at a college or university that is accredited by the appropriate regional accrediting association, may apply for admission to the Graduate School. While admission may be granted to a senior, only those who have received a bachelor's degree will be permitted to register in a degree program. However, seniors may be permitted to begin graduate work if they meet the conditions of the Seniors Taking Graduate Courses for Graduate Credit Policy. See section on *Admission to Master's Programs*.

Applications and Credentials: Each prospective student who wishes to enroll in courses for graduate credit must submit a completed Graduate Admission Application. Previous or continuing students at this University, students new to the University, and those enrolled in extension courses must file an application when beginning a program. In addition to the application, the following items are required:

1. An official transcript from each college or university other than Illinois State University at which graduate, undergraduate, or non-degree credit was earned. Individual departments/schools may have the option of requiring transcripts for only the last 60 undergraduate hours used in computing the admission grade point average. The required documents should be received in the Admissions Office at least four weeks before the date of registration. Departments/Schools or Colleges may have additional requirements.
2. GRE (Graduate Record Examination) General Test score report, for admission to many master's and all doctoral programs.
3. GMAT (General Management Admission Test) score report, for admission to College of Business graduate programs.
4. Three recommendations for each doctoral and Art MFA applicant. Some master's degree programs may require recommendations also. Letters of recommendation should be sent to departments/schools.
5. Applicants are required to submit a nonrefundable application processing fee that must be submitted with the application. Former Illinois State University graduate students applying to the same level are exempt from the fee. Under certain circumstances, applicants may be eligible for a waiver of the application fee; additional information about fee waivers may be obtained from the Admissions Office. International students are not eligible for fee waivers. The application fee is waived for McNair Scholars and Project 1000 applications. Please note on the application if you are a McNair Scholar or with Project 1000.

Some graduate programs have specific due dates for applications. See the program Web site for details. For programs that do not have earlier due dates, application by March 1 for fall entry may

improve students' chances of admission, housing, and financial aid. While some programs will accept later applications, two months should be considered the minimum period of time between filing of application and registration for classes.

Immunization/Medical Requirements: All students admitted to Illinois State University are required, by Public Act 85-1315, to provide proof of immunity for tetanus, diphtheria, measles, mumps and rubella. **Documentation of immunity must be complete and on file in the Student Health Service by the 15th calendar day of the entering semester.** Proof of immunity must include a tetanus/diphtheria booster within 10 years of attendance at ISU; two measles immunizations, both after one year of age and after December 31, 1968; one mumps immunization after one year of age and after December 31, 1967; one rubella immunization after one year of age and after December 31, 1968. **All immunization dates must be signed/certified by a physician or public health official.** Immunization dates and certification can be documented on the Health History Report that is also required to be on file with the Student Health Service. Please note, that a physical examination is not required. International students are required by University regulations to have a TB skin test within 10 days of their arrival on campus. The Student Health Service strongly recommends that all students have immunization against Hepatitis B (a series of three injections), immunization against bacterial meningitis, and a second immunization against mumps.

Information and instructions for meeting the above requirements are included with the Illinois State University Health History Report Form which is mailed to all incoming students. The Student Health Service recommends completion of the immunization information as soon as possible. Students not in compliance with the immunization requirements by August 31, 2009, (if entering fall semester), or January 25, 2010 (if entering spring semester), will have subsequent semester registrations blocked and be assessed an administrative compliance fee. Further information can be obtained by calling the Student Health Service Preventive Medicine Clinic at 309-438-8560 or by visiting the Web site www.shs.ilstu.edu.

Readmission of Former Students: Graduate students who wish to return to the University after a lapse in **registration** of one calendar year or more should apply for readmission through the Admissions Office. Students who are NOT in good academic standing and who have NOT maintained continuous enrollment (excluding summer terms), and who wish to return to the university are required to apply for readmission as students on academic probation. Those students with less than a one calendar year lapse may register for classes without completing a readmission application.

Students whose time limit for completion of degree has expired must submit with the readmission application a request to extend time form. The form may be obtained from the Graduate School.

Graduate students who were previously admitted but **never registered** may contact the Admissions Office and request their original application be updated. After a period of three terms,

however, a new application is required. Students may request a new degree program on their readmission application. (Note: International students must contact International Admissions with any lapse in attendance.)

International Student Admission

International students may apply for admission in general accordance with procedures for native applicants.

Application Deadlines: General deadlines for international student applications are May 1 for the fall (August) term, October 1 for the spring (January) term, and April 1 for the summer (May/June) term. Many graduate programs have earlier deadlines, and some offer fall-only admission.

Eligibility: An international student holding the equivalent of a U.S. baccalaureate degree from a recognized international post-secondary college or university, as determined by the Graduate School, may apply for admission.

A student whose native language is not English is required to submit either a Test of English as a Foreign Language (TOEFL) score or International English Language Testing System (IELTS) score. The minimum TOEFL score required for international graduate admission is 79 (Internet-based testing), 213 (computer-based), or 550 (paper-based). The minimum IELTS score is a 6.5 band. Students recommended for admission with scores lower than the minimum must be approved by the Graduate School. Departments/Schools may require a higher score at their discretion.

Individual departments/schools may establish a policy, subject to approval by the Graduate School, to waive the TOEFL or IELTS requirement for students who have graduated or will be graduating from an accredited college or university in the United States or if the student has resided in the U.S. for at least one year at the time of admission.

Graduate teaching assistants (TAs) must have their oral English language proficiency certified by the department chairperson/school director prior to instructional assignment. Teaching assistants whose native language is not English must (a) have a recommended speaking score of 26 or higher, but no less than 23, on the TOEFL iBT; or (b) receive a passing score and submit the results of the Test of Spoken English (TSE) prior to arrival on campus; or (c) be evaluated on campus. Graduate TAs whose native language is English will be automatically certified on the basis of the department/school's recommendation for appointment to a TA position.

Materials and Procedures: In addition to the completed application, the following materials are required:

1. Official academic records (one in English and one in the native language), verified with fresh seals and signatures, sent directly from each college or university attended.
2. Official TOEFL score, sent directly from Educational Testing Services (ETS), or official test score of the International English Language Testing Systems (IELTS) sent directly from the testing center that administered the test. Student copies will not be accepted. The test bulletin of information and registration forms is usually available at American embassies and consulates, offices of the United States Information Agency, or on-line at www.ets.org. The institution code to forward scores to Illinois State University is 1319.

3. Official Graduate Record Examination (GRE) general test scores are required for applications to most master's degree programs and all doctoral programs. The score report must come directly from ETS. The institution code to forward scores to Illinois State University is 1319.

Official Graduate Management Admission Test (GMAT) scores are required for application to the College of Business programs (Accounting and MBA). The score report must come directly from Pearson VUE.

4. Three letters of recommendation are required for applicants for all doctoral programs. Some departments/schools require recommendation letters for master's degree programs also. Letters of recommendation are sent to the department/school.

5. Some graduate programs require additional supporting materials. Please contact the department/school directly for additional information, or view the department/school sites at www.grad.ilstu.edu.

6. Financial Documentation: For students seeking F-1 (student) status, the Declaration of Finances enclosed with the application must show assured support for the first year and projected support for the remaining years. Bank certification is required for the first year's funds. If funds are from a source other than the applicant, the sponsor must verify the amount of financial support pledged. Bank certification must bear a fresh seal from the financial institution. For students who plan to attend on a visa status other than F-1, proof of legal status to attend is required.

7. Passport: A copy of the student's current passport, if available, is requested to ensure that the spelling of all names is consistent, as required by federal regulation.

For assistance with the admissions process, please contact the Admissions Office, Campus Box 2200, Normal, Illinois 61790-2200 U.S.A., or call 309/438-2181 (inside the U.S. 1-800-366-2478). For more information regarding graduate assistantships, contact the director, department chairperson, or graduate coordinator of the department/school or unit to which you are applying.

For assistance with immigration information, housing, travel, or personal problems, please write to Director, Office of International Studies, Campus Box 6120, Illinois State University, Normal, Illinois 61790-6120, U.S.A., or e-mail ois@ilstu.edu.

Types of Admission

The Graduate School recognizes two types of students who are eligible to enroll in graduate courses. These are (a) degree students, and (b) non-degree students. For specific requirements for degree students, refer to the individual degree description in this catalog. The only students eligible to take courses for credit at the terminal degree level (Ed.D., M.F.A., Ph.D., Au.D.) are those admitted to a degree program.

Degree Student

A degree student is one who has been formally admitted to a program leading to a degree. A Master's degree student's admission may be unconditional, provisional, or probationary. (See the Master's degree section of this catalog.)

Non-Degree Student

The two types of non-degree students are (a) Student-at-Large, and (b) non-degree graduate certificate students.

a) Student-At-Large: A student-at-large is one who does not seek a degree or has not been officially admitted to a graduate degree program. For details on each program and for general information about at-large status and advisors for students-at-large, see www.grad.ilstu.edu/studentatlarge/index.shtml. Application deadline is the Friday before classes begin. A student-at-large may enroll without submitting official transcripts to the Office of Admissions but is required to sign a disclaimer statement upon admission. The disclaimer statement reads as follows:

I certify that I have a baccalaureate degree from a college or university that is accredited by the appropriate regional accrediting association. I understand that my enrollment in graduate-level courses does not constitute admission to a degree program in the Graduate School at Illinois State University. I further recognize that there is no guarantee that credits earned from my enrollment as a student-at-large will be applicable to a degree at Illinois State University. All graduate courses taken as a student-at-large will be computed into the graduate grade-point average. Courses in selected areas may be limited only to students enrolled in those degree programs.

A student-at-large may register for courses which he/she has the prerequisites AND for which the department/school offering that program has approved enrollment of students-at-large. Many departments/schools do not permit at-large enrollment; others restrict access to certain courses. Students should check to see whether or not they can take the class(es) they desire before submitting the at-large application. If a student-at-large decides to pursue a degree at Illinois State, he or she may petition that previous courses taken may be accepted in meeting requirements for a degree. If the petition is recommended by the adviser and approved by the Graduate School, a limited number of courses may be counted toward a degree. Normally, petitions are not approved for more than 12 hours, but under special circumstances up to one-half of the hours of a master's degree program may be approved to be counted toward a degree. There is no guarantee that any course work taken as a student-at-large will be counted toward a degree program.

b) Non-Degree Graduate-Level Certificates: Please refer to *Non-Degree Graduate-Level Certificates* section of this catalog and the specific department/school section. Grades for all graduate courses taken while in non-degree status will be computed into the graduate grade point average.

Tests Required for Admission

Master's Programs: Standardized tests such as GRE and GMAT are required by a majority of academic programs at the graduate level. Refer to the department/school section for admission requirements. See below for testing arrangements.

Specialist in School Psychology: Students seeking admission to the Specialist in School Psychology program must submit scores on the General Test of the Graduate Record Examination. See below for testing arrangements.

Master of Fine Arts Program: Students seeking admission to M.F.A. programs should consult the section on the M.F.A. in this catalog.

Doctoral Programs: All students seeking admission to doctoral programs must submit scores on the General Test of the Graduate Record Examination. See below for testing arrangements.

Non-Degree Graduate Certificates: See department/school section.

Testing Arrangements: Arrangements for taking the GRE can be made with Educational Testing Service at www.ets.org or by calling GRE at 1-800-GRE-CALL.

Arrangements for taking the GMAT can be made with Graduate Management Admission Test at www.mba.com or by calling 1-800-717-GMAT.

Certification Programs in Education

On March 4, 1997, the Illinois State University Council for Teacher Education adopted the "Realizing the Democratic Ideal" conceptual framework for both undergraduate and graduate professional education. This values and beliefs statement evolved from participation of the professional education community through a series of full faculty colloquia and open debate and exchange of ideas. The Council for Teacher Education has continued to refine the conceptual framework in collaboration with school partners, teacher education faculty and staff, and teacher education candidates. The Council for Teacher Education welcomes comments and suggestions, sent to the attention of the Chair, Council for Teacher Education, 5300 College of Education.

Realizing The Democratic Ideal: Teacher Education At Illinois State University

Illinois State University has a historic and enduring commitment to educate teachers and other school personnel who will be responsive to the ethical and intellectual demands of a democratic society. To teach in a democracy is to consciously take up the challenge of improving the ethical and intellectual quality of our societal dialogue by including in it as many educated voices as possible. The democratic ideal unites caring and knowing: the more voices we call into thoughtful dialogue, the truer our convictions and conclusions will be. This is a demonstrable necessity of a democratic society and it is why our graduates aspire to teach everyone, including those on the margins, those who have been or are in danger of being excluded.

The democratic conception of education informs all aspects of teacher education at Illinois State University. Graduates ready to meet the challenges and rewards of serving students in a democratic society embody the moral and intellectual aspects of teaching and learning.

The ethical commitments are:

- Sensitivity toward the varieties of individual and cultural diversity
- Disposition and ability to collaborate ethically with others
- High regard for learning and a seriousness of personal, professional and public purpose
- Respect for learners of all ages and a special regard for children and adolescence

The intellectual commitments are:

- Wide general knowledge and a deep knowledge of the content to be taught
- Knowledge and appreciation of the diversity among learners
- Understanding of the factors that affect learning and of appropriate teaching strategies
- Interest in and an ability to seek out and use informational, technological, and collegial resources
- Contagious intellectual enthusiasm and courage enough to be creative

Of the challenges facing teachers and other school personnel in the 21st century, none is more pressing than for them to develop and maintain a strong sense of their ethical and intellectual values—a professional identity. Toward this end, Illinois State University prepares teachers and other school personnel who have a dynamic, reflective sense of themselves and their mission: through caring and knowing they work to realize the democratic ideal. This, along with a high level of competence in their chosen areas, makes them educators for whom we are proud.

Graduate Certification Programs

Certification for school administrators, school service personnel, and teachers may only be awarded in Illinois by completing an approved program and meeting other specific Illinois State Board of Education (ISBE) requirements. Illinois State University offers the following ISBE approved graduate certification programs: Administrative Certificate Programs: General Administrative/Principalship, Superintendent, and Chief School Business Official.

School Service Personnel Certificate Programs: Speech Pathology/Audiology, School Psychology, and School Social Worker.

Initial and Advanced Teacher Certification Programs: Special Education endorsements and subsequent certification in Learning Behavior Specialist I, Specialist in Deaf and Hard of Hearing, and Specialist in Blind or Visually Impaired, Learning Behavior Specialist II in the areas of Curriculum Adaptation, Multiple Disabilities, Deaf-Blind, Behavior Intervention, Technology and Transition and Reading Specialist.

Individual program requirements may be obtained by either referring to the specific program described elsewhere in this catalog or by contacting the appropriate departmental advisor.

Certification Information: Individuals seeking certification through Illinois State graduate level programs must file an “Intent for Certification” with the Office of Clinical Experiences and Certification Processes (CECP), located in the Cecelia J. Lauby Teacher Education Center, 56 DeGarmo Hall. This should be done early in the program. The CECP Office will evaluate credentials for meeting program requirements, inform students of deficiencies, notify the Illinois State Board of Education when a student has successfully completed an ISU graduate entitlement program, and inform the program completor on certification application procedures.

All applicants for certificates must pass an examination in the area of specialization which has been developed and administered by the State of Illinois. Individuals that have not passed the Basic Skills test for previous certification will be required to do so for subsequent certification. Additional testing may be required for certain certification areas. For further information see the certification specialist in 56 DeGarmo.

Students seeking an initial teaching certificate in the areas of Early Childhood, Elementary Education, Junior High/Middle School Education, Secondary 6-12, or the Special K-12 areas of Art, Music, Foreign Languages, Business, and Physical Education can earn that certificate only through undergraduate course work. See the Undergraduate Catalog section, University-Wide Teacher Education Program Requirements, for an explanation of the requirements of these programs. Students who have already received a bachelor's degree in a non-teaching area can become certified by completing the necessary undergraduate requirements, usually through enrolling in a second bachelor's degree program.

Students wishing to appeal decisions which affect their admission to or dismissal from a teacher education program or which have a direct bearing on their being recommended for certification, should contact the Office of Clinical Experiences and Certification Processes, 56 DeGarmo Hall. The document entitled *Student Rights and Responsibilities*, which is available at the following web site outlines procedures to appeal decisions that impact a student progress through a certification program: www.coe.ilstu.edu/teacheredcenter/cecp/rights/.

ACADEMIC POLICIES AND PROCEDURES

Each student should assume responsibility for knowing the requirements for graduate programs and for complying with current policies.

Semester Plan and Summer Session

The University operates on the semester plan; therefore, the value of a course is in terms of semester hours. Three semester hours are assigned for a course that meets three fifty-minute periods (lecture or discussion) per week for a semester of sixteen weeks. For laboratory, two fifty-minute periods per week are necessary for a semester hour.

In addition to its fall and spring semesters, the university provides a summer session with courses of varying lengths and a variety of short-term offerings. During the summer session, a student may register for one, two, three, or four credit-hour courses as well as short courses and workshops.

Course Registration

Students at Illinois State University register through the iCampus Portal at www.icampus.ilstu.edu. Help with registration may be obtained at the Student Service and Referral Center (SSRC), 107 Moulton Hall, or by calling 309/438-2188. For office hours, visit the Web site at www.registrar.ilstu.edu, and click on SSRC.

Registration may be accomplished during the advance registration period or the additional registration periods prior to the start of the semester. For advance registration, an entry notice, giving date and time of registration, will be available on the iCampus Portal approximately two weeks prior to advance registration.

Academic Load

Nine (9) to 12 hours is the usual load and 15 hours the maximum load for a graduate student during the fall and spring semesters. In the 12-week summer session the maximum load is 12 semester hours. Students are considered full time if they register for 9 or more hours during the fall and spring semesters and 6 or more hours in the 12-week summer session. Fees for Student Health Insurance are automatically assessed for full-time students only. Student fees are assessed on a per hour basis. For graduate students in their final semester or on a 9-12 month internship, who have completed all course work, and whose culminating experiences include thesis/dissertation or internships related to certification/accreditation, a full-time academic load would consist of at least one hour of thesis/dissertation or professional practice credit. Fees for Student Health Insurance will not automatically be assessed for these students. Students who desire the "1 credit hour equals full time" designation must be approved for that designation by their graduate coordinator, who will contact the Graduate School for registration.

If a student holds an assistantship the academic class load is adjusted accordingly. Scholastically, the ideal academic class load for a graduate assistant is 9 hours. An assistant taking fewer than 9 hours must have a recommendation by his or her graduate adviser which is approved, in writing, by the Graduate School. Graduate assistants taking more than 12 hours must have the approval of their graduate adviser. Subject to departmental/school approval, master's students writing theses who have completed all of their course work and

the 4-6 hours of Thesis (499) may register for only one hour of Thesis (499) or one hour of Thesis Audit (499.01), if they qualify, each semester in order to maintain their graduate assistantship. Subject to departmental/school approval, doctoral candidates who have completed all of their course work and the 15 hours of Dissertation Research (599) may register for only one hour of Dissertation Research (599) or one hour of Dissertation Audit (599.01), if they qualify, each semester in order to maintain their graduate assistantship.

Note: Graduate assistants registering for less than 9 hours in fall or spring, less than 6 hours in summer, or for audit hours only will not have the insurance fee automatically assessed. Those graduate assistants must contact the Student Insurance Office before the 15th calendar day of each semester and the 8th calendar day of the summer session to pay premiums or within 15 days of the assistantship start date.

Auditing Privileges

A student may register as an auditor in a class or classes if facilities are available. An auditor does not participate in the activity of the class but is expected to attend regularly. An Audit (AU) designation will appear on the student's transcript when the instructor certifies that the student has attended the class on a regular basis. If the student has not attended regularly, a WX will be recorded on the transcript after the instructor has sent a written notification to the Office of the University Registrar that the student has not attended regularly. To register as an auditor, a student must register for the course. Then the student must get the instructor's signature on an auditor's permit, which can be obtained from the Office of the University Registrar. Students must register to audit a course by the tenth day of classes in the semester with any exception having the approval of the chairperson/school director of the department/school in which the course is offered and the Graduate School. The auditor fee is shown in the costs section of this catalog. Audited courses are considered part of the student's total load.

Grading System

Instructors assign a grade in each course for which the student is registered and are responsible for correcting any error in grading. The grade point equivalents are 4 for A, 3 for B, 2 for C, 1 for D, and 0 for F. Courses completed at this University with grades below C will not count toward a graduate degree, but all grades of D and F in graduate courses at this University will be included in computing the cumulative grade point average. (See Repetition of Course Requirements section below.) **Graduate courses are not available on Pass/Fail. Credit/No Credit is provided only where approval through the curricular process has been obtained.** For exceptions, see "Limitation of Credit" in the *Colleges, Departments/Schools and Course Offerings* section in this catalog.

Repetition of Course Requirements

If a student completes a course or drops a course after the tenth day of classes receiving a grade of WX, WP, or WF, he or she may repeat that course once. For students receiving a letter grade of B, C, D, F, or WF, the course repetition must occur at

Illinois State University. When a course has been repeated at Illinois State University, the most recent grade (A, B, C, D, F, WF) that the student earns will replace the previous grade in the cumulative GPA calculation. A grade of WP or WX will not replace the previous grade. The previous grade will not be removed from the student's transcript, and only the credit hours from the last attempt can be used toward meeting minimum hourly requirements toward degree completion. Requests for a third or subsequent enrollment for a course are initiated with the student's advisor. The advisor then reviews the request and forwards it to the Graduate School. Students repeating a course to improve their GPA should be aware that many professional and graduate schools recalculate GPAs to include all courses attempted. This regulation does not apply to general courses or courses marked as repeatable.

Academic Good Standing

A student must have a minimum cumulative GPA of 3.0 in graduate work at this University to be in Academic Good Standing at the graduate level. Students who fail to meet this requirement will either be terminated from that degree program or placed on academic probation by the Graduate School. Upon recommendation of the department/school, the student can be placed on academic probation and provided with a period of time not to exceed two academic terms (including summer if enrolled) OR a number of credit hours not to exceed 12 credits, within which to raise the GPA to the required standard. A student who fails to bring the cumulative GPA up to a minimum of 3.0 during the probationary period will be terminated from that degree program by the Graduate School. A student must be in Academic Good Standing to be admitted to candidacy for a degree or to graduate.

Research Requirements

Research with Recombinant DNA, Genetically Modified Organisms (GMOs), or Infectious Agents

The Institutional Biosafety Committee (IBC) is responsible for the review, approval, and surveillance of all research activities at Illinois State University that involve recombinant DNA, Genetically Modified Organisms (GMOs), or Infectious Agents. All activities of these types must be approved by the IBC prior to beginning research. The research must conform to IBC and NIH policy and regulation. All research will be reviewed by Research Ethics and Compliance, regardless of its source of financial support. For additional information or forms, contact Environmental Health and Safety, 309/438-8325, or Research Ethics and Compliance, 309/438-8451.

Research with Human Subjects

Institutional policy requires that research involving living humans be reviewed and approved by the Institutional Review Board (IRB). This policy is applicable to research conducted by students, staff, and faculty and includes use of primary and/or secondary data and all types of research methodology. All thesis and dissertation research involving human subjects must be approved prior to data collection. For additional information and forms, contact Departmental/Unit IRB representative or the Research Ethics and Compliance Office, Professional Development Building, 207 S. Main, (309) 438-8451.

Research with Vertebrate Animals

Institutional policy requires that research and instruction involving the use of non-human, vertebrate animals be reviewed and approved by the Institutional Animal Care and Use Committee (IACUC). This policy is applicable to the care and use of animals by students, staff, and faculty. All thesis and dissertation research involving vertebrate animals must be approved prior to conducting any research. It applies to activities conducted both on and off campus. For additional information and forms, contact the Research Ethics and Compliance Office, Professional Development Building, 207 S. Main, (309) 438-8451.

Applying for Degree Completion

The Graduate Catalog contains detailed information on requirements for degree completion. Students must meet all requirements for their curriculum. A graduate student must apply for degree completion before the deadlines for each session as specified by the Graduate School. At the time application is made, the degree completion fee must be paid. Applications for students who fail to meet degree completion requirements for a specific session are cancelled, and the students must reapply for a later session. The application for degree completion is available at Hovey 309 or at www.grad.ilstu.edu.

Commencement

Degrees are conferred and diplomas awarded after the close of each semester and summer session; commencement ceremonies, however, are held twice each year at the end of each fall and spring semester. Participation is voluntary. Graduate students who complete degree requirements during the fall semester participate in commencement exercises in December; students who complete degree requirements during the spring semester or at the close of the summer session participate in commencement exercises in May. This regulation does not apply to doctoral students. All doctoral students must complete all requirements for the degree to participate in Commencement.

Incomplete Grades

An incomplete (I) will be assigned to a student who is doing passing work but finds it impossible, because of reasons beyond her or his control, such as illness, to complete the required work by the end of the term. The student must have attended class to within three weeks of the close of the semester or a proportionate time for a summer session or short course, and the quality of the work must be such that the student can complete it through special assignments and/or examinations. The instructor will specify 1) the date by which the required work must be completed, which will be no later than the final class day of the corresponding term of the following academic year, and 2) the default grade (B, C, D, or F) which will be assigned if the work is not completed by the specified date. The student will be notified of the default date and grade. Once a default grade has been placed on a student's record, it can be changed only with the approval of the Graduate School. For graduating students, incompletes in courses listed on their Plan of Study must be removed in Academic Records at least three weeks prior to the end of the final examination period.

Deferred Credit

Deferred credit (De) is always given in research and performance courses leading to a thesis, dissertation or exhibition. Credit will be allowed when the student satisfactorily completes all requirements for the program. Deferred credit (De) is not used in computing the cumulative grade point average.

New Start Policy

Students who leave an Illinois State graduate degree program and return to Illinois State to pursue a different graduate degree may begin the new degree program with a new graduate GPA calculated from the point of their readmission to the Graduate School as long as 1) the student is admissible to the new graduate program at Illinois State and meets all the criteria established by the Graduate School; 2) the student has not enrolled at Illinois State University for a period of at least three years; and 3) the New Start provision is approved by the new department/school at the time of readmission.

Graduate courses taken prior to being readmitted to the Graduate School will not apply or count toward the graduate program for the new degree. Students may exercise the "New Start" option only once and must follow the re-entry catalog. Such students will have "New Start" indicated on their transcript.

Religious Observances

Illinois State University accepts its responsibility under the Federal Civil Rights Act of 1964, as amended in 1972, which provides that an employer must make reasonable accommodation to the religious needs of employees. The University will reasonably accommodate its students, faculty, and staff who are unable to fulfill their regular duties on the occasion of a religious observance. Faculty and staff should observe normal procedures for absence from their duties. Students who are unable to attend class or take examinations for religious reasons will be given information needed to make up classes and work which were missed or to take the examination on an alternate, acceptable day.

Transfer of Degree Programs

A transfer from one degree program to another requires approval of the receiving department/school.

Withdrawals - From Less Than All Courses

The following policy applies to students who drop a course or courses but maintain an enrolled status within the University: A student may withdraw from a course during the program change period without the withdrawal being shown on the transcript. (A student should consult the Registrar's Web site at www.registrar.ilstu.edu/students to obtain specific dates.)

After the tenth day of classes but prior to the end of the eighth week of classes during any regular semester, a student may withdraw from a full semester course with a grade of WX by reporting to the Student Service and Referral Center, 107 Moulton Hall, with photo ID.

A grade of F will be given to students who 1) fail to officially withdraw from a course by complying with the above procedure; or 2) register for a course but do not complete course requirements.

A student should consult the Registrar's Web site or the Student Service and Referral Center for specific withdrawal dates during any instructional term. For courses taken during a term less than a regular semester, a proportional withdrawal period will apply.

Upon the written recommendation of a licensed physician or clinical psychologist, or in other unusual circumstances, a student may be granted permission to officially withdraw from a

course for medical, psychological or other similar reasons after the official withdrawal period upon receiving approval from the Graduate School. If approval is granted, a grade of WX, WP, or WF as assigned by the professor, will be awarded.

Withdrawal from the University

The following policy applies when a student drops all courses in which he or she is enrolled, which is known as withdrawal from the University. The Graduate School strongly advises students to complete courses in which they are enrolled and not to withdraw from the University unless absolutely necessary. Before the end of the twelfth week of classes, students contemplating withdrawal from the University must contact Office of University Registrar. If the student's request to withdraw from the University is granted, all grades will be assigned in the same manner and under the same provisions as the regular course withdrawal guidelines. The instructor of each course would assign a WP, WF, WX, or letter grade as appropriate. If medical or similar substantial reasons make it impossible for the student to follow the usual procedures, a letter signed by the student explaining the situation, requesting withdrawal from the University, and sent with appropriate documentation of special circumstances will be sufficient. Whether delivered in person or by mail, the withdrawal is processed in Office of University Registrar, Campus Box 2202, Normal IL 61790-2202. Requests may be sent by fax to (309) 438-8652.

Regardless of the circumstances of withdrawal, the student shall be responsible for returning any laboratory equipment and library materials. The student shall pay any parking fines and remove the parking decal from any registered vehicle. The student shall contact the University Housing Services to obtain clearance from room and board obligations and to arrange for vacating the residence hall room. The student shall arrange with the Financial Aid Office to place any scholarship on leave or cancel it and make arrangements for future financial assistance. Arrangements for payment of loans must be made in the Office of Student Accounts.

A grade of F will be given to students who do not officially withdraw with the Office of the University Registrar before the specified final withdrawal date, and to students who register for a course but do not complete course requirements. In exceptional cases, deviations may be granted by the Director of Graduate Studies. In the case of courses carrying graduate credits, the F will count toward the graduate student's grade point average.

Administrative Withdrawal

In the rare event that a student exhibits serious psychological/medical problems that rise to the level of a direct threat (high probability of substantial harm to self, others, or property), the University will make an individualized and objective assessment of the student's ability to safely participate in University classes and activities and/or to reside in University housing. In such instances, the University reserves the right to take such actions as may be required including asking a student to withdraw or administratively withdraw a student from the University community. A student may also be restricted from University property and/or participation in University activities as a condition of the administrative withdrawal.

Academic Integrity

Students are expected to be honest in all academic work. A student's placement of his or her name on any academic exercise (theme, report, notebook, paper, examination) shall be regarded as assurance that the work is the result of the student's own thought, effort and study. Offenses involving academic dishonesty include, but are not limited to the following:

- a. Cheating on quizzes or examinations occurs when any student is found using or attempting to use any book, paper, or other article, or assistance from any individual intending to deceive the person in charge of the quiz or examination with reference to his or her work. No books, notes, papers, or related articles shall be used at any quiz or examination unless specifically authorized by the person in charge. Conversation or other communication between individuals in examinations and quizzes is forbidden except as authorized by the instructor.
- b. Computer dishonesty is the unacknowledged or unauthorized appropriation of another's program, or the results of that program, in whole or in part, for a computer-related exercise or assignment.
- c. Plagiarism is the unacknowledged appropriation of another's work, words, or ideas in any themes, outlines, papers,

reports, speeches, or computer programs. Students must ascertain from the instructor in each course the appropriate means of documentation. Submitting the same paper for more than one course is considered a breach of academic integrity unless prior approval is given by the instructors.

- d. Grade falsification is any attempt to falsify an assigned grade in an examination, quiz, report, program, grade book, or any other record or document.
- e. Collusion occurs when students willfully give or receive unauthorized or unacknowledged assistance on any assignment. This may include the reproduction and/or dissemination of test materials. Both parties to the collusion are considered responsible.
- f. No individual may substitute for another in any quiz or examination.
- g. Involvement in the advertising, solicitation, or sale of term papers or research papers.

For more information, consult the Community Rights and Responsibilities/Dean of Students Web site, www.deanofstudents.ilstu.edu/downloads/crr/rules-regulations.pdf.



DEGREES GRANTED AND ADVANCED GRADUATE STUDY

Master's and Doctoral Degrees Granted

College of Applied Science and Technology

Agriculture	M.S.
Criminal Justice Sciences	M.A., M.S.
Environmental Health and Safety	M.S.
Family and Consumer Sciences	M.A., M.S.
Information Systems	M.S.
Kinesiology and Recreation	M.S.
Technology	M.S.

College of Arts and Sciences

Applied Economics	M.A., M.S.
Archaeology	M.A., M.S.
Audiology	Au.D.
Biological Sciences	M.S., Ph.D.
Chemistry	M.S.
Clinical-Counseling Psychology	M.A., M.S.
Communication	M.A., M.S.
English	M.A., M.S.
English Studies	Ph.D.
History	M.A., M.S.
Hydrogeology	M.S.
Languages, Literatures, and Cultures	Integrated B.A./M.A., M.A.
Mathematics	M.S.
Mathematics Education	Ph.D.
Political Science	M.A., M.S.
Psychology	M.A., M.S.
School Psychology	S.S.P., Ph.D.
Social Work	M.S.W.
Sociology	M.A., M.S.
Speech Pathology and Audiology	M.A., M.S.
Writing	M.A., M.S.

College of Business

Accountancy	Integrated B.S./M.P.A., M.S.
Business (Finance, Insurance and Law; Management and Quantitative Methods; Marketing)	M.B.A.

College of Education

College Student Personnel Administration	M.S.
Curriculum and Instruction	M.S., M.S. in Ed., Ed.D.
Educational Administration	M.S., M.S. in Ed., Ed.D., Ph.D.
Instructional Technology and Design	M.S.
Reading	M.S. in Ed.
Special Education	M.S., M.S. in Ed., Ed.D.

College of Fine Arts

Art	M.A., M.S., M.F.A.
Arts Technology	M.S.
Music	M.M., M.M.Ed.
Theatre	M.A., M.S., M.F.A.

Mennonite College of Nursing

Nursing	M.S.N., Ph.D.
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NOTE: Graduate degrees are not granted in the following departments but graduate course work is available as supplementary study or as electives:

Department of Philosophy
Department of Physics

Non-Degree Graduate-Level Certificates

College of Applied Science and Technology

Graduate Certificate in Social Aspects of Aging (*See College of Arts and Sciences below.*)

Graduate Certificate in Information Assurance and Security

Graduate Certificate in Internet Application Development

Graduate Certificate in Systems Analyst

Graduate Certificate in Telecommunications Management

(*See Information Technology Department section for descriptions.*)

Graduate Certificate in Training and Development

Graduate Certificate in Project Management

(*See Technology Department section for descriptions.*)

College of Arts and Sciences

Graduate Certificate in Biology Geographic Information Systems (GIS) (*See Biological Sciences Department section for description.*)

Graduate Certificate in Social Aspects of Aging (*housed in the Sociology and Anthropology Department, with courses provided by the departments of Sociology and Anthropology, Family and Consumer Sciences, Psychology, and Communication Sciences and Disorders.*)

Graduate Certificate in Teaching English to Speakers of Other Languages (TESOL)

Post-Baccalaureate Graduate Certificate in the Teaching of Writing in High School/Middle School

(*See English Department section for description.*)

Graduate Certificate in Women's and Gender Studies (*See Women's and Gender Studies section for description.*)

College of Education

Deaf and Hard of Hearing Auditory/Oral Specialist Graduate Certificate

Graduate Certificate in Learning Behavior Specialist 2 Behavior Intervention Specialist

Graduate Certificate in Learning Behavior Specialist 2 Curriculum Adaptation Specialist

Graduate Certificate in Learning Behavior Specialist 2 Multiple Disabilities Specialist

Graduate Certificate in Learning Behavior Specialist 2 Technology Specialist

Graduate Certificate in Learning Behavior Specialist 2 Transition Specialist

Post-Master's Graduate Certificate for Director of Special Education

(*See Special Education Department section for descriptions.*)

Post-Master's Graduate Certificate for Chief School Business Official (CSBO) Endorsement

Post-Master's Graduate Certificate for General Administrative Certification

Post-Master's Graduate Certificate for Superintendent Endorsement in Educational Administration

(*See Educational Administration and Foundations Department section for descriptions.*)

Post-Baccalaureate Graduate Certificate for Alternative Route to Secondary Teacher Certification
 Post-Baccalaureate Graduate Certificate in School Librarianship
(See Curriculum & Instruction Department section for descriptions.)

Mennonite College of Nursing

Nurse Educator Graduate Certificate
 Post-Master's Family Nurse Practitioner Certificate
 Post-Master's Gerontological Nurse Practitioner Certificate
(See Mennonite College of Nursing section for descriptions.)

Master's Degrees

Admission to Master's Programs

An applicant for a program leading to the master's degree must have a bachelor's degree from a four-year college or university that is accredited by the appropriate regional accrediting association, or its equivalent, as determined by the Graduate School. Applicants are considered on the basis of their academic record and other performance requirements stipulated by the individual departments. These may include examinations or standardized tests, interviews, auditions, examples of work, and letters of recommendation. To be admitted to a degree program, a student must have at least a 2.8 grade point average, on a scale in which A equals 4, for the last 60 hours of undergraduate work, and the approval of an academic department/school. In specific cases a department/school may petition the Graduate School for permission to use undergraduate courses taken while the student is classified as a graduate student (either as a Student-at-Large or a degree student in another graduate program) in calculating the GPA for the last 60 undergraduate hours. Specific admission requirements are described under departmental/school listings in this catalog.

Provisional Admittance: A student whose application for a degree program is incomplete because not all required supporting material has been received in the Office of Admissions may be admitted as a provisional student. Provisional admission will not be granted in the absence of scores from the GRE general test or the GMAT, as applicable. The provisional student may be granted a permit to register for one semester only, pending a decision on his/her application for admission. A provisional student is not a student-at-large. If the student with provisional status is subsequently unconditionally admitted to the Graduate School, there is no guarantee that the courses taken before unconditional admission will be counted toward a degree. Acceptance of previous courses will depend upon the recommendation of the adviser and the approval of the Graduate School. The degree-seeking applicant who enrolls as a provisional degree student accepts the risk of termination from the program if the provisional status is not cleared in the student's first semester.

Probationary Admission: A student who does not meet the minimum grade point requirement but whose academic record and entrance examination scores give promise of high performance may be admitted as a probationary degree student. This admission must be based upon other documentation that the department/school deems important. Examples include exceptional scores on standard or additional examinations, interviews, letters of recommendation, exceptional grades in previous graduate work, samples of original work and/or demonstrated performance ability. Such recommendations for admission will be forwarded to the Graduate School for approval only if the student does not meet the minimum grade point average of 2.8 or not lower than 2.2 in the last 60 semes-

ter hours of undergraduate work. A student who meets the Graduate School established minimums but not the department's/school's minimum admission requirements may be admitted by the department on a probationary basis without approval from the Graduate School. Such admission may be restricted to a trial period of one semester. Any special restrictions of this type will be noted on the admission form along with other requirements for continued graduate study. These may include the successful completion of specific courses or projects, the obtaining of a minimum specified grade point average, and/or other requirements. If these requirements are not met, the student may be terminated from the program at the end of one semester upon the recommendation of the department/school and approval of the Graduate School.

Appeal of Denial of Admission to a Graduate Program

Graduate admissions to Illinois State are decentralized; as long as the student meets University minimum requirements, the admission decision rests with the specific academic program to which the student has applied. Students who have questions about a denial of admission should begin by speaking to the graduate coordinator of the program, who will tell them why the admission was denied (e.g., the student's grades or test scores fell below program admission requirements, there were not enough spaces for all applicants and other applicants were more qualified, or there was not a good fit between the student's educational goals and the opportunities available in the graduate program).

Students who wish to appeal a denial of admission after discussion with the program's graduate coordinator should make a written request to the chair/director of the department or school that houses the program. The chair/director will review the decision and notify the student of the outcome of the review.

The final opportunity for substantive review of the admissions decision is a written appeal to the dean of the college that houses the program. The dean or designee will review the decision and inform the student, the graduate coordinator, and the chair/director of the program of the outcome of the review.

Because the admissions decision rests with the academic unit, the Graduate School conducts only a procedural review; it does not undertake a reconsideration of the student's application materials. Students who wish to request that procedural review should make a written request to the Director of Graduate Studies. The request must include a copy of the dean's letter to the student. The Graduate Admissions Committee will examine only whether the program followed established guidelines and procedures when it reached the decision to deny admission. The Committee will report its findings to the student, the graduate coordinator of the program, the chair/director of the department or school, the dean of the college, and the Director of Graduate Studies.

Students who believe that a denial of admission was discriminatory should contact the Office of Diversity and Affirmative Action.

Deficiencies: When an applicant has been accepted, the department/school adviser will indicate any courses that may be required to remove undergraduate deficiencies. The department/school also may specify certain graduate courses which will be required in addition to those listed in the catalog and will designate which, if any, of these courses may be used in meeting requirements for the degree.

Seniors Taking Graduate Courses For Graduate Credit:

Undergraduates can take graduate courses for graduate credit if they 1) are in their final semester, 2) have no more than twelve hours of undergraduate course work to complete, and 3) have been admitted provisionally into a graduate degree program at Illinois State. Total registration cannot exceed fifteen hours in that semester. Students must graduate at the end of that academic term to receive graduate credit for the courses taken. An exception is made when students must schedule professional practice/internship/student teaching requirements during their final semester. In such cases, qualified students may register for graduate courses during the academic term preceding the semester in which the professional practice/internship/student teaching requirements are met.

All course work taken for graduate credit must be approved by the department/school and the Graduate School BEFORE students register. A form for that purpose is available in the Office of Admissions.

Course work will count toward a graduate degree only if a student qualifies under the above criteria. Course work taken for graduate credit cannot count toward a bachelor's degree except under the provisions of integrated bachelor's/master's degree programs.

This opportunity is also extended to last semester seniors of other universities who find it possible to take graduate work at this University while completing requirements for the bachelor's degree on their own campuses. Interested students should write to the Graduate School for further information. Such graduate courses cannot be used in meeting bachelor's degree requirements on their own campuses.

Degree Options and Credit Requirements

Master's degrees are offered for the Master of Arts (M.A.), Master of Science (M.S.), and several professional master's degrees. The M.A. and M.S. degrees focus on methodology and practice of research and scholarship in the discipline. The M.A. and M.S. degrees require a minimum of 30 semester hours, a final examination or culminating experience, and, in some fields, a thesis reflecting original scholarship or research.

Professional master's degrees provide conceptual knowledge and skills required for professional practice. This may include introduction to research or scholarship for application of current literature to practice. Professional master's degrees generally are indicated by a three- or four-letter designation. Examples are Master of Social Work (M.S.W.), Master of Business Administration (M.B.A.), Master of Science in Nursing (M.S.N.), Master of Professional Accountancy (M.P.A.), Master of Science in Education (M.S.Ed.), and Master of Music Education (M.M.Ed.). Professional master's degrees require a minimum of 30 semester hours. Some may require a comprehensive examination as well as thesis, papers, projects, seminars, professional practice, or other experiential-based activity typical of preparation for practice in the field.

The following are the degree options:

1. **Master's Degree with Thesis:** No more than 6 and no less than 4 semester hours for thesis research and writing may be counted toward satisfying the 30 semester hour minimum of graduate work for a master's degree with thesis. A minimum of 15 credits of 400 level courses, excluding thesis, are required for the thesis option.

2. **Master's Degree without Thesis:** Consists of at least 30 semester hours of graduate work and includes a Comprehensive Examination and/or a culminating requirement demonstrating a mature application of skills and knowledge (e.g., professional practice, project, colloquia, recital).

Once an option has been approved on the formal Plan of Study, it can be changed only with approval of the student's academic advisor. However, when a Plan of Study is submitted to the Graduate School in the semester of anticipated completion, it can be changed only with written approval of the academic advisor and the Graduate School.

Master's degree programs varying from 30 to 33 hours require a minimum of 15 credit hours at the 400 level, excluding thesis. Programs 34 hours or higher will require a minimum of 18 credit hours at the 400 level except the thesis option, which requires 15 credit hours at the 400 level.

Candidates for a master's degree may present no more than 9 total hours of credit from general courses 393, 397, 400, 493, and 498.

General Degree Requirements

Master of Arts: The Master of Arts degree is awarded to a student who has completed an appropriate degree program and met the foreign language requirement for this degree at the college level. This requirement may be met by:

1. Completing a minimum of four semesters (or its equivalent) in one foreign language. The requirement may be met by earning a C or better (or Credit or Pass) in the courses at either the graduate or undergraduate level.
2. Obtaining a satisfactory score on a University administered language examination approved by the Graduate School available in German, French, or Spanish at the University Testing Office.
3. Other methods as determined by the department/school with approval by the Graduate School.

Students whose native language is not English may, with departmental approval, petition the Graduate School to substitute proficiency in the English language as fulfillment of the language requirement.

Master of Business Administration: Requirements for this degree are listed in the section devoted to the College of Business.

Master of Science: Refer to departments/schools for specific requirements.

Master of Science in Education: The Master of Science in Education degree may be awarded to students who have met the requirements as designated in the individual departments in the College of Education. Refer to departments for specific requirements.

Master of Music and Master of Music Education: Requirements for these degrees are listed in the School of Music section.

Master of Fine Arts (Art and Theatre): Requirements for these degrees are listed in the school sections of this catalog and also under the heading of Master of Fine Arts.

Master of Social Work: See school section for information.

Master of Science in Nursing: See Mennonite College of Nursing section for information.

Integrated Bachelor of Science/Master of Professional Accountancy: See department section for information.

Integrated Bachelor of Arts/Master of Arts in Languages, Literatures, and Cultures: See department section for information.

Integrated Bachelor's/Master's Degree Programs

An integrated degree program (B.A./M.A. or B.S./M.S.) allows students to complete an undergraduate degree, in the same disciplinary area, within a timeframe that may be less than the traditional bachelor's and master's programs. Students take undergraduate- and graduate-level courses simultaneously beginning as early as the second semester of their junior year. Integrated degrees are normally a five- to six-year program for currently enrolled Illinois State University students. Students who wish to complete an integrated program will receive both degrees simultaneously upon completion of all program requirements for both degrees.

Admissions

An applicant to an integrated program must be an Illinois State University undergraduate or a transfer student with 60 hours or less. Students who have received a bachelor's degree are not eligible for admission into an integrated program except under the provisions of obtaining a second bachelor's degree.

Admission to the integrated program generally occurs by the end of the sophomore year but with no more than 66 hours of required undergraduate course work earned. After completing 75 undergraduate hours, the student must take any graduate standardized tests required by the program and applies for the graduate program (paying the graduate application fee). After 88 hours there is a preliminary audit of the undergraduate degree. At this time the student must have a 3.0 GPA and is eligible to enroll in graduate courses (400 level). The student remains classified as an undergraduate until 120 hours are completed, after which time they will be classified as a graduate student. Continuance in the integrated program is contingent upon meeting the minimum 3.0 GPA and other requirements needed for receiving both degrees. A department/school may establish a higher GPA for admissions and continuance.

Financial Eligibility

After completing 120 undergraduate hours, the student is (a) assessed tuition and fees at the graduate level, (b) eligible for financial aid at the graduate level, and (c) eligible for graduate assistantships, scholarships, fellowships, or other types of support or recognition normally available to graduate students. During the last semester of the undergraduate program, a student may be eligible to hold a graduate assistantship.

Graduate Options

For the integrated program, the master's with thesis (4-6 hours of 499) or master's without thesis options are utilized. The master's without thesis option includes a comprehensive examination or culminating requirement demonstrating a mature application of skills and knowledge (e.g., professional practice, project, colloquia, or recital).

Withdrawal from Integrated Programs

Students contemplating withdrawal from the integrated program should contact their advisor. Students may elect to receive the bachelor's degree if they have completed the appropriate requirements. Students who elect to receive the bachelor's degree are terminated from the integrated program and are not eligible to be readmitted to or to receive an integrated degree. Students with bachelor's degree may seek admission to the regular master's program.

Time Limit

Students have seven years from the time of first enrollment in courses as an integrated degree student to complete the program (both degrees). Requests for extensions will be processed through the Graduate School.

Application for Degree Completion

After earning 88 hours toward the bachelor's degree, and early in the semester in which completion of the master's degree program is anticipated, the student applies separately for each degree, paying the appropriate fee for each. At that time, a master's plan of study is submitted to the Graduate School. For the commencement ceremony, the student is listed in both the bachelor's and master's sections of the commencement booklet and, if appropriate, listed for undergraduate honors. The application to participate in commencement is separate from the degree completion application and is filed with the Office of Student Life.

All policies and regulations that apply to undergraduate or graduate degree programs also apply to the integrated degree programs except as specifically differentiated in this section.

The following integrated undergraduate/ graduate degree programs are offered:

Accounting Integrated B.S./M.P.A.
Languages, Literatures and Cultures Integrated B.A./M.A.

Two Master's Degrees Simultaneously

A maximum of nine (9) hours of course work is allowable to count simultaneously toward two (2) master's degrees provided certain other stipulations are met. These stipulations are as follows: 1) that the student must be admitted to the second master's program prior to the completion of the first degree, 2) that all requirements for both degree programs be met within the six year time limit, 3) that a particular thesis may not be used to meet the degree requirements for more than one degree, and 4) that not more than three (3) hours of the nine (9) hours allowed to count toward the second degree be generated by independent study, practicum, or workshop credit.

Two Simultaneous Sequences Within Master's Degree Program

Two sequences offered within the same degree program may be recognized on a student's transcript if the student is enrolled in both sequences simultaneously as part of the requirements for completing the degree program. A common core of degree requirements and common sequence requirements may be shared across both sequences subject to the following limitations:

1. Students must complete the requirements for both sequences before completing the degree requirements.

2. The requirements for the two sequences and the degree program must be completed within a six year time limit from the time of admission to the degree program.
3. No more than nine hours of independent study (400), workshop (493), or professional practice (498) can be shared for both sequences and the degree program.
4. Thesis hours may be shared by both sequences.

Students who have been awarded a graduate degree are not eligible to pursue a second sequence within the same degree program under these provisions.

Residence Requirements

Except in the departments of Art Communication Sciences and Disorders, a candidate for a master's degree is not required to complete a residence requirement. For specific requirements of the above departments refer to the department program description.

Time Limitations

All requirements for the master's degree must be completed within six calendar years, beginning with the date the student first registers as a degree student. This time limit applies to enrollment in all graduate course work in the student's program including work for which transfer credit is allowed. If a course taken to complete the requirements for the master's degree is not within the six-year period allowed for the degree program, the student's department/school may require the student to retake the course for credit or allow the student to demonstrate current knowledge and/or proficiency of the subject matter. If the latter is used, currency must be demonstrated to the satisfaction of the department/school offering the course through successful completion of an appropriate examination or other assessment if available from the department. Otherwise, outdated course work must be deleted from, and other course work must be substituted in, the plan of study. Credits more than six years old at the time of first registration into a degree program are not transferable from other institutions. (Individual departments/schools may have more stringent timelines. Currently, the Nursing program must be completed within five years.) When graduate study is interrupted by military service or other contingencies, the six year limit may be extended with the approval of both the department/school and the Graduate School. A Request to Extend Time to Complete Graduate Degree Program must be completed by the student, graduate coordinator, and, if applicable, thesis chair, and submitted to the Graduate School for approval/denial.

Transfer Credit

Upon recommendation of the department/school where the student is enrolled and with the approval of the Graduate School, a student may present a maximum of nine semester hours of graduate credit from another college or university that is accredited by the appropriate regional accrediting association for use in meeting the requirements of the master's degree. Credits more than six years old at the time of first registration into a degree program are not transferable from other institutions. Transfer credit may not be used in meeting the minimum number of 400-level credit hours required for the master's degree. The work must not form part of a degree program elsewhere. Under special circumstances, the Graduate School may allow a student to present a larger number of credits if recommended by the department. A student who plans to take work elsewhere should

obtain prior approval indicating that the course or courses are appropriate to the student's curriculum at Illinois State University. Correspondence courses are not accepted toward a master's degree.

To be considered for transfer of credit, a course must be taught at the graduate level and the student must have received at least a B grade in the course. In addition, a department/school evaluation of all courses presented is necessary prior to consideration by the Graduate School.

Academic Advisers

Each student has an academic adviser to assist in planning the student's work. This adviser should be consulted regarding the sequence of courses, the selection of electives, and the option of thesis or non-thesis. After admittance to a degree program, each student's coursework should be selected with the approval of the academic adviser and put into the form of a Plan of Study. The student has the responsibility of meeting with the adviser on an ongoing basis to keep the Plan of Study updated as needed. If the course work does not have such approval, there is no assurance that it may be used in meeting the requirements for the degree. The student must file the Plan of Study, approved by the adviser, in the Graduate School early in the semester of anticipated degree completion by the deadline established by the Graduate School. If a student follows a curriculum of specialization in a subject-matter field, the chairperson/director of the department/school concerned is the academic adviser unless another faculty member has been appointed by the chairperson.

An advisory committee is appointed for each student who writes a thesis. This committee is responsible for directing the thesis project, recommending the student for admission to candidacy for the degree, and conducting the final examination. If the student chooses the option of a comprehensive examination, the department/school has the responsibility of recommending the individual for admission to candidacy and conducting the final examination.

Admission to Candidacy

To be admitted to candidacy for the master's degree the student must have a Plan of Study on file in the department/school, completed all deficiencies, a minimum G.P.A. of 3.0 in graduate course work at Illinois State, and a copy of the Thesis Proposal approval form on file in the Graduate School if choosing a thesis option. The student must file the Plan of Study, approved by the adviser, in the Graduate School early in the semester of anticipated degree completion by the deadline established by the Graduate School.

Comprehensive Examination

For the comprehensive examination option, a comprehensive examination must be taken by each student before receiving the master's degree. The content, process, scheduling, administration, and evaluation of the examination (oral, written, performance, or otherwise) are to be determined by each department/school. To apply for comprehensive examinations a student must be in good standing in a program, have a Plan of Study on file in the department/school, not be on academic probation, and have a GPA of at least 3.0 at the time of the examination.

A student who fails the examination must wait until the next academic term before repeating the entire examination unless there are reasons that make an exception advisable. The Graduate School is to be notified of exceptions. Students who have twice failed the examination are not to repeat the exam unless they have completed further study as prescribed by the department chair/school director. Comprehensive examinations may not be administered more than three times to individual students. Department chairs/school directors are to notify students, by letter, of examination results within 30 days from the examination date. A copy of this letter is to be sent to the Graduate School. If it is a student's second failure, recommendations for further study and appropriate warning of the situation are to be included in the letter. The Graduate School must receive the results from the department/school no fewer than 10 working days before the date of graduation.

Thesis

Registration For Thesis Work: The student electing the thesis option must register for from four to six hours of 499, Master's Thesis. Any student using the services of the academic staff or the facilities of the University must be registered for the semester or term during which the services are rendered or the facilities are used. Also, to register for 499 the student must actually be working on the subject under the direction of the adviser or thesis chairperson. No grade will be given for the course but credit will be entered on the student's record at the time the approved thesis is deposited in the Graduate School. No credit for 499 may be given to a student who does not complete a thesis.

Continuous Registration: After the Thesis Proposal approval form has been accepted in the Graduate School and a student has completed the courses on the approved Plan of Study and registered for four to six hours of 499 Master's Thesis, the student is required to maintain continuous registration until the deposit of the final thesis in the Graduate School. The requirement for continuous registration may be fulfilled by maintaining registration of 1 hour of 499 or 499.01 (audit) each semester through the semester of degree completion. (Students registering for less than 9 credit hours in fall or spring, or less than 6 credit hours in summer, will not have the insurance fee automatically assessed. See the Health Insurance section for further information.) The requirement for continuous registration does not apply during a summer term unless the student is graduating in that term. Registration for 499.01 may be in absentia. If circumstances prohibit continuous registration, a student must request a leave of absence from the department and then from the Graduate School. Any student interrupting registration without obtaining a leave of absence must pay tuition for one credit hour of 499.01 for each of the delinquent semesters upon reenrollment and/or reinstatement. Any student requesting reinstatement in a degree program after a lapse of one calendar year must direct an application for readmission to the Admissions Office.

Thesis Committee: A thesis is written under the direction of a thesis committee appointed in a manner specified by the department. The committee normally consists of three or more members of the Graduate Faculty, but shall not be fewer than two members. The chairperson and a majority of the committee shall be full members of the Graduate Faculty from the department/school in which the degree program is located. An associate member may co-chair a thesis with a full mem-

ber. Proposed committee members who are not members of the Illinois State University Graduate Faculty must be approved by the Director of Graduate Studies. A student must be admitted to a degree program in the Graduate School before a thesis committee can be appointed.

Thesis Proposal: The Proposal for Research, including the title, scope, and design, must be approved by the student's thesis committee before a student is admitted to candidacy. The student is required to file an approved Proposal for Research with the department/school at a time and in a manner specified by the department/school. Institutional policy requires that all research involving human subjects be reviewed by the Institutional Review Board (IRB). Research involving animals must be reviewed by the Institutional Animal Care and Use Committee (IACUC). Research involving biohazards must be reviewed by the Institutional Biosafety Committee (IBC). A copy of the Thesis Proposal approval form shall be deposited in the Graduate School in the semester or term prior to when completion of the master's degree is expected. Forms are available in the Graduate School.

There is no assumption of uniformity in thesis research. For example, a student may propose a creative project in art or music. However, the completed project must meet approved standards of scholarship in the chosen field of study. In each instance there must be evidence of ability to think logically, to gather and organize material, to draw and defend conclusions, and to present the results of the foregoing procedures in a creditable manner.

In special situations, and only with the approval of the thesis committee, the department chair/school director or designee, and the Graduate School, students may collaborate on some aspects of the work contributing to their theses. However, each thesis submitted to the Graduate School for approval must be a unique product with the degree candidate as the sole author and with due acknowledgment of the contribution of collaborators. The individual student must demonstrate to her or his committee satisfactory command of all aspects of the work presented.

Thesis Acceptance: The thesis must be tentatively accepted by the thesis examiner of the Graduate School before the distribution of the final examination copies. The examiner will check the thesis to ensure that it is consistent with the selected thesis style and the *Guide for Writers of Master's Theses* published by the Graduate School and available at www.grad.ilstu.edu/downloads/thesisguide.pdf

After tentative acceptance by the examiner, the student must file two unbound examination copies of the thesis in the departmental/school office at least one week (seven days) before the thesis defense. The defense of the thesis is open to the academic community of the University. The department/school will notify in a timely manner its faculty, students, and the Graduate School about the thesis defense in a manner consistent with its normal departmental lines of communication. Subject to reasonable expectations of the chair of the student's committee, visitors may participate in questioning and discussion relevant to the topic of the thesis. However, only members of the student's committee will vote and make a final recommendation on the acceptance of the thesis. The Graduate School or designee and any other members of the Graduate Faculty of that department/school may be in attendance during the committee's deliberations. Following

the defense, the student must file in the Graduate School the original and a copy of the approved thesis, unbound, with any corrections suggested by the committee. Before a thesis is finally accepted by the Graduate School, it will be examined again to verify corrections and conformity to University requirements. After binding, the original and copy of the thesis will be placed on file in the University library.

To be eligible for degree completion a student must deposit the thesis in the Graduate School at least 10 days before the end of the semester or term or by the deadline published by the Graduate School. Theses filed after that date will be credited toward degree completion the following semester or term. A student on academic probation is not eligible to submit a thesis or equivalent for acceptance by the Graduate School.

Specialist in School Psychology

Admission: An applicant for the program leading to the S.S.P. degree must have a bachelor's degree from a four-year college or university that is accredited by the appropriate regional accrediting association, or its equivalent, as determined by the Graduate School. Applicants are considered on the basis of their academic record, scores on the general test (verbal, quantitative, and analytical writing) of the Graduate Record Examination, three letters of recommendation, and a personal data form. To be admitted to the degree program a student must have at least a 3.0 grade point average (on a scale in which A equals 4) in the last 60 hours of undergraduate work and the approval of the academic department.

For information on Provisional Admission, Probationary Admission, Deficiencies, Seniors Taking Graduate Courses for Graduate Credit, Degree Option and Credit Requirements, Transfer Credit, Academic Advisers, Program Approval, Registration for Thesis Work, Continuous Registration, Thesis Committee, Thesis Proposal, Thesis Acceptance, and Transfer Credit, see Master's Degrees.

Degree Option and Credit Requirements: The S.S.P. degree requires the completion of a minimum of 61 semester hours of graduate level course work including practicum experiences; a full-time, nine-month internship in a school setting and a thesis or completion of the applied research experience in school psychology for which 4 semester hours of credit will be given.

Students must maintain a grade point average of at least 3.0 throughout their graduate training. Additionally, no more than 9 semester hours with grades of "C" are permissible. Students must present, exclusive of Thesis 499 or Applied Research Experience PSY 402, not less than 15 hours of 400-level course work.

Time Limitations: All requirements for the S.S.P. degree must be completed within six calendar years, beginning with the date the student first registers as a Specialist in School Psychology degree student. This time limit applies to enrollment in all graduate course work in the student's program including work for which transfer credit is allowed. If a course taken to complete the requirements for the S.S.P. degree is not taken within the six-year period allowed for the degree program, the student's department may require the student to retake the course for credit or allow the student to demonstrate current knowledge and/or proficiency of the subject matter. If the latter is used, currency must be demonstrated to the satisfaction of the department offering the course through successful completion of an appropriate examination or other

assessment if available from the department. Otherwise, outdated course work must be deleted from, and other course work must be substituted in, the plan of study. Credits more than six years old at the time of first registration into a degree program are not transferable from other institutions. When graduate study is interrupted by military service or other contingencies, the six year limit may be extended by the Graduate School. A Request to Extend Time to Complete Graduate Degree Program must be completed by the student, graduate coordinator, and, if applicable, dissertation chair, and submitted to the Graduate School for approval/denial.

Admission to Candidacy: To be admitted to candidacy for the S.S.P. degree the student must have an approved Plan of Study on file in the Graduate School or evidence of successful completion of Psychology 402 Applied Research Experience in School Psychology, completed all deficiencies, a minimum G.P.A. of 3.0 in graduate course work at Illinois State, and a copy of the Thesis Proposal approval form on file in the Graduate School.

Master of Fine Arts

Offered in the School of Art and the School of Theatre, the Master of Fine Arts (M.F.A.) is a terminal degree that emphasizes theory and practice in a particular discipline of the arts.

Admission: All regular criteria for admission to a degree program in the Graduate School of the University will apply. In addition, applicants in Theatre must audition and applicants in Art must submit a portfolio along with meeting other School requirements. This material will be reviewed by the members of the Graduate Faculty in the applicant's intended area of emphasis. After evaluations have been completed, the Office of Admissions will notify the applicant of the decision regarding admission to the M.F.A..

Academic Advisers: In the School of Art the student in the pre-candidacy phase of the program selects a major adviser with the help of the Graduate Coordinator. With the help of the major adviser the student selects a candidacy review committee of three members. The chairperson of this committee must be from the student's major area of emphasis. Normally, the candidacy review committee continues as the student's graduate committee during the candidacy phase of the program.

In the School of Theatre the director, in consultation with faculty whom the director deems appropriate, will select the candidate's Portfolio Committee. The committee chairperson must come from the student's major area of emphasis.

Curriculum Requirements: A professionally oriented program, the M.F.A. requires a minimum of 60 hours for a student with only a bachelor's degree or a minimum of 32 hours for a student with an earned master's degree. The total hours required for a student with an earned master's degree will be based on an evaluation of the student's portfolio and academic record. However, the final determination will not be made until the student has completed a minimum of six semester hours in the student's major area of emphasis. A candidate for the degree must demonstrate proficiency both as a practitioner and a teacher in one of several areas of emphasis listed in the Graduate Catalog.

Time Limitations: All requirements for the Master of Fine Arts degree must be completed within eight calendar years, beginning with the date the student first registers as a degree student.

This time limit applies to enrollment in all graduate course work in the student's program, including work for which transfer credit is allowed. If a course taken to complete the requirements for the M.F.A. degree is not taken within the eight year period allowed for the degree program, the student's school may require the student to retake the course for credit or allow the student to demonstrate current knowledge of the subject matter. If the latter is used, currency must be demonstrated to the satisfaction of the school offering the course through successful completion of an appropriate examination or other assessment if available from the school. Otherwise, outdated course work must be deleted from, and other course work must be substituted in, the plan of study. Credits more than eight years old at the time of first registration into a degree program are not transferable from other institutions. When graduate study is interrupted by military service or other contingencies, the eight-year limit may be extended by the Graduate School.

Transfer Credit: Credits more than eight years old at the time of first registration into a Master of Fine Arts degree program are not transferable from other institutions. The work must not form part of a completed degree program elsewhere. Under special circumstances, the Graduate School may allow a student to present a larger number of credits if recommended by the school. A student who plans to take work elsewhere should obtain prior approval indicating that the course or courses are appropriate to the student's curriculum at Illinois State University. Correspondence courses are not accepted toward the M.F.A. degree.

To be considered for transfer of credit, a course must be taught at the graduate level and the student must have received at least a B grade in the course. In addition, a school evaluation of all courses presented is necessary prior to consideration by the Graduate School.

In the School of Art, a student can transfer no more than nine semester hours of credit from any graduate program (including a master's program in Art at Illinois State University) for use in meeting the requirements of the M.F.A. degree.

In the School of Theatre, a student who does not have an earned master's degree may present a maximum of six semester hours of credit from another college or university for use in meeting the requirements of the M.F.A. degree. However, the student may present all earned hours from a master's program in Theatre at Illinois State for use in meeting these requirements. A Theatre student who has an earned master's degree must earn a minimum of 32 hours in the M.F.A. program at Illinois State University.

Residency: A student without an earned master's degree must complete a residency requirement of at least four semesters with at least two of them being full-time, consecutive semesters. A student with an earned master's degree must complete a residency requirement of at least two full-time, consecutive semesters. Summer session may be counted toward the two consecutive semester requirement only in the School of Theatre.

Admission to Candidacy: In order to be admitted to candidacy, the student without an earned master's degree must have completed 24 hours of graduate study at Illinois State University or two semesters of full-time resident study. The student with an earned master's degree must have completed 12 hours of graduate study at Illinois State University or one semester of full-time resident study. All students must have a grade average of B or better with no more than 5 (6 in Theatre) hours below B.

Before becoming a candidate for the M.F.A. in Art the student must pass a candidacy review that includes approval of the following items: portfolio of studio work, final Plan of Study, and proposal for the Supportive Statement (an exhibition-related written project).

Before becoming a candidate for the M.F.A. in Theatre the student must have a Plan of Study on file with the Graduate School and pass a qualifying examination which is administered by the student's M.F.A. portfolio committee. Admission to candidacy, which usually occurs in the final semester, must be satisfied before the student is allowed to schedule an exit portfolio presentation.

General Course Limitations: Candidates for the M.F.A. may present no more than 15 total hours of general courses 393, 397, 400, 493, 498, and 500 toward their degree.

For additional program requirements, see school sections of this catalog.

Doctor of Philosophy

The Doctor of Philosophy degree is designed for the preparation of individuals competent in research and scholarly inquiry whose career objectives are generally in research, teaching, consultation, or leadership roles in universities, colleges, institutes, educational agencies or private practice.

Program Requirements

Admission: Students seeking admission to a Doctor of Philosophy (Ph.D.) degree program must submit letters of recommendation and scores on the General Test of the Graduate Record Examination if required by the department or school and one official transcript from each college or university attended at the undergraduate and graduate level. The admission grade point average is a computation of all previous work at the graduate level. Students may be required to come to the campus for an interview. Admission to a Ph.D. program will take account of personal and professional qualifications as well as scholastic records and measurement of academic ability. Admission to a Ph.D. program requires a level of preparation equivalent to a master's degree in an appropriate discipline from an accredited institution. Departments may make exceptions in specific cases. Admission requires approval by both the department and the Graduate School.

Academic Adviser: Each department is responsible for advising each student upon admittance to the program and informing the student of the source of this assistance. The student's Plan of Study must have the approval of appropriate departmental officials and the Graduate School and should be submitted early in the student's program.

Minor Fields: A Doctor of Philosophy student may select a minor field (or fields) of study. The selection and composition of a minor field (or fields) must have the approval of the Graduate School and the major and minor departments. A minor field may, under certain circumstances, be in the same department as a major field.

Purposes of a Doctoral Residency:

1. To orient and prepare graduate students to meet academic expectations and engage in activities that are associated with involvement in a scholarly environment within a community of scholars as they pursue their doctoral degree.

2. To engage and stimulate the intellectual, personal, and social development of graduate students in the process of inquiry.

Doctoral Residency: Full-time residency, for the purposes indicated above, consists of at least two terms. A term is one semester or a summer session of at least eight weeks.

Departments may add additional residency requirements to the minimum stated above.

Full time residency is defined as at least nine semester hours of course work during a semester or six semester hours during a summer session. Departments/Schools may develop other options for meeting the residency requirement through the curricular process. Once a residency option is approved, it shall appear in the departmental/school section of the graduate catalog.

Each student will file a Declaration of Residency for approval of the department prior to entering into residency. The department will verify the completion of residency and then file the declaration with the Graduate School. Any exceptions to the above requirements must have the approval of the department and the Graduate School.

Time Limitations: All requirements for a Ph.D., including the dissertation, must be completed by the end of eight calendar years beginning with the date the student first registers as a Doctor of Philosophy degree student. This time limit applies to enrollment in all graduate course work in the student's program. If a course taken to complete the requirements for the Ph.D. degree is not taken within the eight-year period allowed for the degree program, the student's department may require the student to retake the course for credit or allow the student to demonstrate current knowledge of the subject matter. If the latter is used, currency must be demonstrated to the satisfaction of the department offering the course through successful completion of an appropriate examination or other assessment if available from the department. Courses from other institutions falling outside the limitation of time may not be used in a graduate program. When graduate study is interrupted by military service or other contingencies, the eight-year limit may be extended by the Graduate School. A Request to Extend Time to Complete Graduate Degree Program must be completed by the student, graduate coordinator, and, if applicable, dissertation, and submitted to the Graduate School for approval/denial.

Course Requirements: A Doctor of Philosophy degree is not granted on the basis of a student having successfully completed a certain number of courses, but upon evidence of scholarly attainment as demonstrated especially by competence in research.

Research Tool Requirement for a Ph.D.: Candidates are expected to have developed research competencies appropriate to doctoral candidates in their field. These competencies may include areas such as computer science, statistics, qualitative analysis, and foreign language. Each department shall establish and verify currency of each candidate's research competency except when a foreign language is used as part of this competency.

When a language is used in meeting a research competency, this requirement can be met by one of the following:

1. Obtaining a satisfactory score on a University administered language examination approved by the Graduate School avail-

able in French, German, or Spanish. Ph.D. candidates who wish to complete a proficiency examination in a language other than French, German, or Spanish in lieu of appropriate course work should contact the Graduate School.

2. Earning a B grade or better in a 116-level foreign language course at Illinois State University or the equivalent from another institution. The Graduate School has the responsibility of certifying the acceptable level of proficiency has been met.

3. Satisfying other requirements as determined by the department with approval by the Graduate School.

Students whose native language is not English may, with departmental approval, petition the Graduate School to substitute proficiency in the English language as fulfillment of one of the required tools. Proficiency in English as a second language is demonstrated by skills sufficient to give and comprehend lectures in the field of specialization, to respond to questions relating to the specialization, as well as to read the language without the aid of a dictionary. The student's major department shall furnish evidence to the Graduate School that advanced English proficiency has been achieved.

Comprehensive/Preliminary Examination: The comprehensive/preliminary examination is written or written and oral. It covers the major and any minor fields. It also is concerned with the student's professional competence and ability to undertake independent research. The examination can be taken no more than three times.

Admission to Candidacy: A Doctor of Philosophy student will be admitted to candidacy after: (a) a Plan of Study has been submitted to the Graduate School and approved, (b) the comprehensive/preliminary examination has been successfully completed and reported to the Graduate School, (c) the research tool requirement has been met, and (d) the dissertation proposal has been approved by the dissertation committee and reported to the Graduate School.

Registration for Dissertation Work: Fifteen semester hours of 599 dissertation research are required for the Ph.D. degree. Any student using the services of the academic staff or the facilities of the University must be registered for the semester or term during which the services are rendered or facilities are used. Also, to register for 599 the student must actually be working on the research under the direction of the adviser or dissertation chairperson.

Continuous Registration: Once admitted to candidacy in a Doctor of Philosophy degree program, as defined by the Admission to Candidacy policy, and after the student has completed all course work on the Plan of Study and the required number of hours (15) of 599 dissertation research the student is required to maintain continuous registration until the deposit of the final dissertation in the Graduate School. The requirement for continuous registration may be fulfilled by maintaining registration in 1 hour of 599 or 599.01 (audit) each semester through the semester of degree completion. (Students registering for less than 9 credit hours in fall or spring, or less than 6 credit hours in summer, will not have the insurance fee automatically assessed. See the Health Insurance section for further information.) The requirement for continuous registration does not apply during a summer term unless the student is graduating in that term. Registration for 599.01 may be in absentia. If circumstances prohibit continuous registration a student must request a leave of absence from the department and then from the Graduate School. Any student interrupting registration without obtaining a leave of absence must pay

tuition for one credit hour of \$99.01 for each of the delinquent semesters upon reenrollment and/or reinstatement. Any student requesting reinstatement in a degree program after a lapse of one calendar year must direct an application for readmission to the Admissions Office.

Dissertation Committee For Ph.D.: A dissertation is written under the direction of a dissertation committee appointed in a manner specified by the department. The committee must consist of three (3) members from within the department and may include additional internal or external members at the department's discretion. The chair and a majority of the committee shall be full members of the Graduate Faculty from the department in which the degree program is located. Proposed committee members who are not members of the Illinois State University Graduate Faculty must be approved by the Director of Graduate Studies. All committee members must have terminal degrees.

Dissertation Proposal For Ph.D.: The student is required to file an approved Proposal for Research with the department at the time and in a manner specified by the department. The title, scope, and design of the dissertation must be approved by the student's dissertation committee. Institutional policy requires that all research involving human subjects be reviewed by the Institutional Review Board (IRB). Research involving animals must be reviewed by the Institutional Animal Care and Use Committee (IACUC). Research involving biohazards must be reviewed by the Institutional Biosafety Committee (IBC). A copy of the Dissertation Proposal approval form shall be deposited in the Graduate School no later than the early part of the semester or term prior to when completion of the doctoral degree is expected, in accordance with the deadlines published by the Graduate School. The dissertation for the Ph.D. must involve independent research and an original contribution to knowledge.

Dissertation Acceptance: The dissertation must be tentatively accepted by the dissertation examiner of the Graduate School before the distribution of the final examination copies. The examiner will check the dissertation to ensure that the dissertation is consistent with the selected dissertation style and the *Guide for Writers of Doctoral Dissertations* published by the Graduate School and available at www.gradilstu.edu/downloads/dissguide.pdf

After tentative acceptance by the examiner the student must file two unbound examination copies of the dissertation in the departmental office at least one week (seven days) before the dissertation defense. The defense of the dissertation is open to the academic community of the University. The chair of the examining committee will notify the Graduate School of the date, time, location and tentative title of the dissertation two weeks prior to the defense. The Graduate School will notify the University community of the public presentation. Subject to reasonable expectations of the chair of the student's committee, visitors may participate in questioning and discussion relevant to the topic of the dissertation. However, only members of the student's committee will vote and make a final recommendation on the acceptance of the dissertation. The Graduate School or designee and any other members of the Graduate Faculty of that department may be in attendance during the committee's deliberations. Following the defense the student must file in the Graduate School the original and 2 copies of the approved dissertation prepared according to specific on-line dissertation guidelines, unbound, with any corrections suggested by the committee. See complete guidelines at: <http://www.gradilstu.edu/dissertations/index.shtml>. Before a dis-

sertation is finally accepted by the Graduate School, it will be examined again to verify corrections and conformity to University requirements. The student is not required to have the dissertation printed but will be required to pay the expense of microfilming for distribution. After binding, the original and copy of the dissertation will be placed on file in the University library.

To be eligible for degree completion a student must deposit the dissertation in the Graduate School office at least 10 days before the end of the semester or by the deadlines published by the Graduate School. Dissertations filed after that date will be credited toward degree completion the following semester or session.

Doctor of Education

The Doctor of Education degree is designed for the preparation of practitioners competent in identifying and solving complex educational problems and who have the ability to understand and conduct research in their field. The career objectives of program graduates generally lie in areas of education at any academic level.

Program Requirements

For information on Admission, Academic Advisor, Minor Fields, Purposes of a Doctoral Residency, Time Limitations, Course Requirements, Comprehensive/Preliminary Examination, Admission to Candidacy, Registration for Dissertation Work, Continuous Registration, Dissertation Committee, Dissertation Acceptance, see Doctor of Philosophy section.

Research Tool Requirement for an Ed.D.

Ed.D. candidates are expected to have developed research competencies appropriate to doctoral candidates in their fields. These involve proficiencies in quantitative and/or qualitative research and may include such areas as statistics, measurement and evaluation, and field studies/ethnography.

Dissertation Proposal for an Ed.D.

The student is required to file an approved Proposal for Research with the department at the time and in a manner specified by the department. The title, scope, and design of the dissertation must be approved by the student's dissertation committee. Institutional policy requires that all research involving human subjects be reviewed by the Institutional Review Board (IRB). Research involving animals must be reviewed by the Institutional Animal Care and Use Committee (IACUC). Research involving biohazards must be reviewed by the Institutional Biosafety Committee (IBC). A copy of the Dissertation Proposal approval form shall be deposited in the Graduate School no later than the early part of the semester or term in which completion of the doctoral degree is expected, in accordance with the deadlines published by the Graduate School.

While the dissertation for the Ed.D. may meet the expectation for independent research and an original contribution to knowledge, it is customary to allow greater flexibility for the Ed.D. dissertation, so that it may, for instance, involve the application of existing knowledge or theory to a practical educational problem or situation.

Doctor of Audiology

Refer to Communication Sciences and Disorders Department section of this catalog.

Non-Degree Graduate-Level Certificates

Graduate-level certificates are graduate courses of study approved by an academic unit designed to provide professional development and career advancement opportunities, to broaden career options, or to enhance an individual's skills or education as part of the process of life-long learning. These certificates are not part of degree programs, although courses completed as part of a certificate curriculum could be used in meeting degree requirements, where appropriate.

A non-degree graduate certificate student is one who has been formally admitted by a department/school to a specific course of study leading to a certificate. There are three types of non-degree graduate certificates.

1. Graduate Certificate: Requires a minimum of 9 but no more than 17 semester hours of graduate courses beyond the bachelor's degree.
2. Post-Baccalaureate Graduate Certificate: Requires a minimum of 18 semester hours of graduate courses beyond the baccalaureate degree, but less than a master's degree.
3. Post-Master's Graduate Certificate: Requires a minimum of 24 semester hours of graduate courses beyond the master's degree but less than a doctoral degree.

Program Requirements

Admission: An applicant for a course of study leading to a Graduate or Post-Baccalaureate Certificate must have a bachelor's degree from a four-year college or university that is accredited by the appropriate regional accrediting association, or its equivalent as determined by the Graduate School. For a Post-Master's Certificate, the applicant must have a master's degree from a college or university that is accredited by the appropriate regional accrediting association, or its equivalent as determined by the Graduate School. Applicants must also meet the specific requirements stipulated by the academic unit offering the certificate.

Admissions Procedure:

1. Completion of an application and payment of the application fee.
2. Submission of all official college transcripts showing that a degree has been earned from an accredited institution.
3. Contact the appropriate graduate program coordinator to evaluate preparedness for coursework within the specific certificate course of study.

Academic Advisor: A Graduate, Post-Baccalaureate, or Post-Master's certificate course of study shall have a designated coordinator assigned by the academic unit chair/director that is sponsoring the certificate to advise students and confirm completion of the certificate requirements.

Time Limitations: All requirements for a graduate level certificate must be completed within six calendar years, beginning with the date the student first registers as a graduate level certificate student. This limitation applies to enrollment in all graduate coursework for the certificate including work for which transfer credit is allowed. Refer to the time limitation regulation for master's degrees for additional criteria which would apply.

No more than 40 percent of coursework hours required can be transferred from other accredited institutions to satisfy the certificate requirements.

GPA Minimum: In order to be awarded the certificate, a student must have a minimum graduate GPA of 3.0 in the set of courses required for the certificate.

Additional Requirements and Information:

- Students must complete the same prerequisites or have the equivalent experiences as graduate degree candidates to enroll in specific courses.
- No differentiation in course requirements will exist between graduate certificate courses and graduate degree courses.
- Students seeking a graduate level certificate are subject to the academic policies and regulations indicated in the Graduate Catalog.
- There will not be University recognition of graduate level certificate completion as part of the degree commencement activities except by agreement of the College whose academic unit sponsors the certificate.
- The granting of a graduate level certificate will appear on the University transcript.

Eligibility for Financial Aid, Assistantships, or Fellowships: Certificate students are not eligible for graduate assistantships or fellowships intended for degree-seeking students nor federal financial aid. Graduate tuition waivers are granted at the discretion of the awarding unit.

Use of Courses in Degree Programs: Courses taken as part of a graduate certificate can be counted towards a master's degree following degree grading criteria if the courses are appropriate for the specific degree program, and are taken within an approved time frame.

Admission to a Degree Program

Individuals in a graduate-level certificate program who wish to apply to a degree program will go through the usual admissions process for a master's degree, using the usual documentation (transcripts, standardized scores, etc.).

COLLEGES, DEPARTMENTS, SCHOOLS, AND COURSE OFFERINGS

Each student should assume responsibility for knowing the requirements for graduate programs and for complying with current regulations.

Course Numbering System

This Graduate Catalog contains courses numbered 300 to 599. Courses 300-399 are advanced undergraduate courses and are open to juniors, seniors, and graduate students. Only 300-level courses listed in the Graduate Catalog are available for graduate credit. To receive graduate credit, students must complete applicable graduate requirements provided in the course syllabus. Courses 400-499 are graduate courses. Courses 500-599 generally are limited to terminal degree students in programs such as the Ed.D., M.F.A., Au.D., and Ph.D.

The following information is given for each course, in the following order: course number (3 digits preceding the title), course title and credit value (in semester hours). Following the course description any prerequisites, restrictions on enrollment, and any special considerations are noted.

Limitation of credit: Candidates for a master's degree may present no more than 9 hours of credit from the asterisk courses toward their degrees (393, 397, 400, 493, and 498).

Workshops, Institutes and Professional Practice may be offered as graduate courses on a Credit/No Credit (CR/NC) basis. For these courses, students receive a grade of CR (Credit) or NC (No Credit). Departments may offer 393, 397, 429X, 493 and 498 on a CR/NC basis with approval in advance by the Department and the Graduate School. CR/NC courses cannot be computed in the GPA. To count towards a degree program, CR/NC courses must be approved through the curricular process.

General Courses

The Repetition of Course Requirements section in this catalog does not apply to General courses.

389 SELECTED STUDIES

1-6 sem. hrs.

Course work not offered within the framework of existing departmental/school courses. The topic to be covered will be identified in the class schedule booklet each semester. Experimental courses and courses cutting across the departmental/school lines may be offered as selected studies.

393 WORKSHOP*

1-6 sem. hrs.

Advanced workshop for juniors, seniors and graduate students. Credit will be given by the department/school offering the workshop. See statement on limitation of credit above.

397 INSTITUTE*

1-9 sem. hrs.

Federal and state sponsored institutes or similar short term programs requiring treatment of subject matter of a special nature or for special groups. See statement on limitation of credit above.

399 STUDENT TEACHING

1-16 sem. hrs.

A special procedure allows student teaching to be available for graduate credit for selected graduate students seeking first-time teacher certification while matriculating in a graduate degree program. Offered through Clinical Experiences and Certification Processes. May not be used in a degree plan of study.

400 INDEPENDENT STUDY*

1-4 sem. hrs.

A maximum of six hours may be applied toward a master's degree. Intensive study in a special area of the advanced student's interest under a qualified member of the faculty. Each individual investigation is to culminate in a comprehensive written report and/or examination. Open only to graduate students who have completed considerable work in a degree program, who are in good academic standing, and who have demonstrated ability to profit from independent study. A written proposal approved by the faculty member, the student's adviser, and the department chairperson/school director is required prior to registration. See statement on limitation of credit above. See Research with Human and Animal Subjects in the Academic Policies and Procedures section.

429X PROFESSIONAL DEVELOPMENT WORKSHOP

1-6 sem. hrs.

Intensive and applied workshop for graduate students. Designed as an opportunity for updating skills and knowledge and intended primarily for teachers and other inservice professionals. Credit will be given by the department/school offering the workshop. **Not for credit toward a graduate degree program.**

489 ADVANCED STUDY

1-6 sem. hrs.

Advanced course work not offered within the framework of existing departmental/school courses. The topic to be covered will be identified in the class schedule booklet each semester. Experimental courses and courses cutting across departmental/school lines may be offered as advanced studies.

493 WORKSHOP*

1-6 sem. hrs.

Intensive and applied workshop for graduate students. Designed as an opportunity for acquiring advanced knowledge and intended primarily for teachers and other inservice professionals. Credit will be given by the department/school offering the workshop. See statement on limitation of credit above.

498 PROFESSIONAL PRACTICE*

1-12 sem. hrs.

Supervised work experience in local, state, national, and international businesses, agencies, institutions, and organizations. The experience is planned, administered, and supervised at the departmental level and coordinated through Professional Practice. If the site is in an educational agency or institution, the placement must be approved by the Office of Clinical Experiences and Certification Processes. Written objectives and

modes of evaluation shall be approved by the faculty supervisor and department chairperson/school director prior to the beginning of the semester. **In a degree program, Professional Practice 498 cannot constitute more than 20% of the hours applied for degree completion.** Open only to graduate students who have completed considerable work in a degree program, who are in good academic standing, and who have demonstrated ability to profit from professional practice experience. See statement on limitation of credit above. All departments that wish to offer 498 Professional Practice must have a curriculum proposal approved by the Graduate School and Professional Practice prior to use.

498.90

For graduate students in their final semester or in a 9-12 month internship, who have completed all course work, and whose culminating experience includes an internship related to certification/accreditation, a full-time academic load consists of at least 1 hour of 498.90. The 498.90 may be desirable to students who need to maintain full-time enrollment for financial aid status. Students who desire the "1 hour equals full time" designation must be approved for that designation by their graduate coordinator.

499 MASTER'S THESIS

1-6 sem. hrs.

A student electing the thesis option must take from four to six hours of 499. While registration beyond six hours may be permitted for the convenience of the student, he/she may not count more than a total of six hours of 499 among the hours required for the master's degree.

499.01

Students who have completed their plan of study, including required thesis credit hours, and have an approved thesis proposal form on file in the Graduate School, must maintain continuous registration through degree completion (see Thesis section for description of continuous registration). Students taking 499.01 thesis audit cannot purchase university health insurance. Students must contact the Graduate School to request registration.

499.90

For graduate students in their final semester who have completed all course work and whose culminating experience includes a thesis, a full-time academic load would consist of at least 1 hour of 499.90. The 499.90 may be desirable to students who need to maintain full-time enrollment for financial aid status. Students who desire the "1 hour equals full time" designation must be approved for that designation by their graduate coordinator.

500 INDEPENDENT STUDY*

1-4 sem. hrs.

A maximum of twelve hours may be applied toward the Master of Fine Arts and the Doctoral degree. Intensive study in a special area of the advanced student's interest under a qualified member of the faculty. Each individual investigation is to culminate in a comprehensive written report and/or examination. Open only to graduate students who have completed considerable work in a degree program, who are in good academic standing, and who have demonstrated ability to profit from independent study. A written proposal approved by the faculty member, the student's adviser, and the department chairper-

son/school director is required prior to registration. See statement on limitation of credit above. See Research with Human and Animal Subjects in the Academic Policies and Procedures section.

589 ADVANCED DOCTORAL STUDY

Doctoral-level course work under a qualified member of the graduate faculty, in subject matter not offered within the framework of existing departmental/school courses. The topic to be covered will be identified in the class schedule booklet each semester.

598 PROFESSIONAL PRACTICE

1-12 sem. hrs.

Supervised work experience in local, state, national, and international businesses, agencies, institutions, and organizations. The experience is planned, administered, and supervised at the departmental/school level and coordinated through Professional Practice. If the site is in an educational agency or institution, the placement must be approved by the Office of Clinical Experiences and Certification Processes. Written objectives and modes of evaluation shall be approved by the faculty supervisor and department chairperson/school director prior to the beginning of the semester. Open only to doctoral students. All departments that wish to offer 598 Professional Practice must have a curriculum proposal approved by the Graduate School and Professional Practice prior to use.

598.90

For graduate students in their final semester or in a 9-12 month internship, who have completed all course work, and whose culminating experience includes an internship related to certification/accreditation, a full-time academic load consists of at least 1 hour of 598.90. The 598.90 may be desirable to students who need to maintain full-time enrollment for financial aid status. Students who desire the "1 hour equals full time" designation must be approved for that designation by their graduate coordinator.

599 DOCTORAL RESEARCH

1-15 sem. hrs.

Research involving the gathering of data to form the basis of the doctoral dissertation. For further information refer to the appropriate degree in the section on Fields of Study and Degrees Granted.

599.01

Students who have completed their plan of study, including required dissertation credit hours, and have an approved dissertation proposal form on file in the Graduate School, must maintain continuous registration through degree completion (see Dissertation section for description of continuous registration). Students taking 599.01 dissertation audit cannot purchase university health insurance. Students must contact the Graduate School to request registration.

599.90

For graduate students in their final semester who have completed all course work and whose culminating experience includes a dissertation, a full-time academic load would consist of at least 1 hour of 599.90. The 599.90 may be desirable to students who need to maintain full-time enrollment for financial aid status. Students who desire the "1 hour equals full time" designation must be approved for that designation by their graduate coordinator.

COLLEGE OF APPLIED SCIENCE AND TECHNOLOGY

Dean: Jeffrey A. Wood

143 Turner Hall, (309) 438-7602
www.cast.ilstu.edu

The College of Applied Science and Technology offers graduate programs that are designed to provide advanced preparation for professional and technical positions in education, community agencies, government, business, and industry. Graduate education is focused on the development and integration of knowledge into theory based professional practice.

The College offers the Master of Science degree in six departments and schools including Agriculture, Information Technology, Criminal Justice Sciences, Family and Consumer Sciences, Kinesiology and Recreation, and Technology. The Departments of Criminal Justice Sciences and Family and Consumer Sciences also offer Master of Arts degrees. Descriptions and requirements of these programs are outlined in the copy that follows.

AGRICULTURE (AGR)

125 Ropp, (309) 438-5654
www.agriculture.ilstu.edu

Chairperson: Robert Rhykerd. Office: 125 Ropp.

Graduate Program Director: J. Randall Winter.

Graduate Faculty: A. Moore, P. O'Rourke, R. Rhykerd, K. Smiciklas, A. Spaulding, R. Steffen, K. Tudor, P. Walker, R. Whitacre, J. Winter, J. Wood.

University Regulations

In addition to the requirements of the individual graduate program, all students are subject to university regulations detailed in the front of the Graduate Catalog. Below is a summary of the most commonly referenced regulations. To locate full details of each regulation, use the index at the end of the catalog.

Academic Good Standing: A 3.00 minimum cumulative graduate GPA is required for graduation and for all courses and activities that require good academic standing.

Course Numbering System, Course Offerings: Some 300- and 400-level courses will not count toward graduate degrees. Any 300-level courses not listed in the Graduate Catalog are undergraduate credit only and are not available for graduate credit. Courses numbered 399 and 429 may be taken for graduate credit but do not count toward a graduate degree.

Use of credit hours from the course group 393, 397, 400, 493, 498 toward a degree is limited. No more than 9 hours total from this group count toward the degree. No more than 6 of the 9 hours may come from 400. Review degree requirements and count previous hours taken from this group before enrolling, since once the limit is reached, no more hours from this group will apply toward the degree.

Use of thesis/dissertation hours toward a degree is limited.

Student-at-Large: Courses taken as a student-at-large do not count toward the degree unless recommended by the degree program. Limit of 12 hours.

Transfer of Credit: Transfer courses must meet university qualifications and be approved by the program and Graduate School. No transfer of the following: courses with grade lower than B, independent study, courses from non-accredited universities, courses used toward another degree, courses over six years old when student first registered for the ISU degree program. No transfer credit is counted toward 400-level hours requirement. Request for Transfer of Credit form is posted at www.grad.ilstu.edu/plans.

Time Limitations: Degree completion is subject to university time limitations. Students who do not meet the time limit may be required to retake courses.

Readmission of Former Students: A lapse in registration of one calendar year or more requires application for readmission to the university.

Continuous Registration: Thesis and dissertation students must maintain continuous registration. Students generally enroll in 499 Master's Thesis or 599 Doctoral Dissertation. Under certain circumstances 499.01, 499.90, 599.01, or 599.90 may be appropriate.

Master's Degree in Agriculture

The department offers work leading to the Master of Science degree in Agriculture with sequences in Agribusiness and Agriscience. Both sequences offer a thesis option and a comprehensive examination (non-thesis) option.

Admission Requirements

All University and Graduate School requirements for admission to a degree program of the Graduate School apply. Additional department requirements are listed below.

Applicants must submit a transcript of an undergraduate degree with a minimum GPA of 2.80 (A=4.00) during the last 60 hours. Admission to the program also requires completion of the GRE and approval of the Department of Agriculture. International students must present a TOEFL score of at least 580 (237 computer-based or 92 internet-based).

Full-time students should expect to take at least two years to complete the master's program once they have completed any deficiency course work.

Academic Advisement

Students seeking a master's degree in Agriculture should meet with the department Graduate Program Coordinator before enrolling in graduate courses. The graduate coordinator will examine transcripts to determine deficiencies and advise students accordingly. Typically, a major adviser is assigned after the student completes 18 semester hours of course work.

Curriculum Requirements

All courses, including transfer courses, must be listed on the Plan of Study and approved by the Graduate Program Coordinator, Chairperson, and Graduate School. A student may choose between: (I) a 36 semester hour program including a thesis (thesis option); or (II) a 36 semester hour program including a synthesizing experience and a comprehensive examination (non-thesis option). Required core courses for the degree program are: AGR 422, 424, and 497.

Sequence in Agribusiness

In this sequence, students choosing the thesis option or non-thesis option must complete the required degree core courses (nine hours) consisting of AGR 422, 424, and 497, and the following sequence requirements: MKT 430 and MQM 421; six hours of business courses selected from MQM 420, FIL 411, 440, MKT 431, or ACC 450; and three hours of advanced agribusiness courses selected from AGR 418, 420, or 445. Students who completed a limited number of business courses as undergraduates may be required to take some or all of the following foundation courses: ACC 401, FIL 404, MQM 402, MQM 406, MKT 403. Foundation courses cannot be presented for use in the Agriculture degree program.

Option I: Option I is a 36 hour program that requires a thesis. Students selecting this option will complete the degree core requirements of nine hours, twelve hours of business courses, three hours of advanced agribusiness courses, six hours of Master's Thesis (AGR 499) and six hours of electives.

Option II: Option II is a 36 hour program that requires a synthesizing experience consisting of three hours of Independent Study (AGR 400) under the direction of a major adviser and with the approval of an advisory committee. Students selecting this option will also complete the degree core requirements of nine hours, twelve hours of business courses, three hours of advanced agribusiness courses, and nine hours of electives. Students selecting this option must also pass a comprehensive written/oral examination.

Elective Courses: The following Department of Agriculture courses are acceptable to satisfy the elective courses requirement of the Agribusiness Sequence: AGR 304, 305, 306, 310, 312, 313, 314, 315, 317, 318, 319, 320, 324, 340, 352, 353, 355, 356, 357, 363, 372, 375, 380, 381, 383, 418, 420, 445, 489.

Additional 300-level graduate electives may come from the Departments of Accounting; Finance, Insurance and Law; Management and Quantitative Methods; and Marketing. (Agribusiness students may earn no more than 12 credits from 400-level courses in the College of Business.) 300- and 400-level graduate electives may come from the Department of Economics (excluding ECO 401).

Sequence in Agriscience

In this sequence, students choosing the thesis option or non-thesis option must complete the required degree core courses (nine hours) consisting of AGR 422, 424, and 497, and the following sequence requirements: AGR 445; BSC 490; and CHE 342, 343.

Option I: Option I is a 36 hour program that requires a thesis. Students selecting this option will complete the degree core requirements of AGR 422, 424, and 497; the sequence

requirements of AGR 445, BSC 490, CHE 342, and 343; plus six hours of Master's Thesis (AGR 499) and ten hours of electives selected from the list below.

Option II: Option II is a 36 hour program that requires a synthesizing experience consisting of three hours of Independent Study (AGR 400) under the direction of a major adviser with the approval of an advisory committee. Students selecting this option will also complete the degree core requirements of AGR 422, 424, and 497; the sequence requirements of AGR 445, BSC 490, CHE 342 and 343; plus thirteen semester hours of electives selected from the list below. Students selecting this option must pass a comprehensive written/oral examination.

Elective courses: The following courses are acceptable to satisfy the elective courses requirement of the Agriscience Sequence: AGR 304, 305, 306, 317, 352, 353, 355, 356, 357, 363, 372, 375, 380, 381, 489; BSC 301, 321, 335, 336, 416; CHE 344, 444; GEO 303, 304, 305, 360, 380.

Concentrations: Students selecting the Agriscience Sequence may elect an Animal Science, Agronomy, or Horticulture concentration. Students may choose courses from the following lists for each concentration.

- **Animal Science:** AGR 317, 363, 372, 375, 380, 381, 489; BSC 321, 416; CHE 344, 444; FCS 332.
- **Agronomy:** AGR 304, 305, 306, 355, 356, 357, 363, 489; BSC 301, 335, 336; GEO 303, 304, 305, 360, 380.
- **Horticulture:** AGR 352, 353, 355, 356, 357, 358, 363, 489; BSC 301, 335, 336.

Courses

302 SPECIAL PROBLEMS IN AGRICULTURE 1-3 sem. hrs.

Special work in research interests of student and staff. Projects must be approved by the staff member and the chairperson of the department. Prerequisite: Comprehensive major or minor in AGR or Agribusiness. May be repeated. Maximum 6 hours.

303 SEMINAR IN AGRICULTURE 1 sem. hr.

Senior or graduate standing.

304 GEOSPATIAL TECHNOLOGIES IN AGRICULTURE 3 sem. hrs.

To understand the acquisition and analysis of geographically referenced data for the management of crop production systems. Formerly AGR 237.

305 CROP GROWTH AND DEVELOPMENT 4 sem. hrs.

Crop management and plant growth as influenced by the environment, plant species, cropping systems, and principles of integrated crop management (ICM). Lecture and lab. Formerly AGR 250.

306 WEED SCIENCE 3 sem. hrs.

Principles and practices of weed management systems, including chemical and non-chemical controls. Identification and biology of common weed species. Lecture and lab. Formerly AGR 263.

310 RURAL APPRAISALS**3 sem. hrs.**

Principles, procedures, and terminology for evaluating rural property; preparation of appraisal reports as currently prepared by qualified and experienced rural appraisers. Prerequisites: AGR 216 or 318 or ACC 131 recommended; and an academic background in agriculture.

312 ADVANCED FARM ACCOUNTING**3 sem. hrs.**

Advanced farm business records and analysis with emphasis on computer applications. Prerequisites: AGR 213 and 216 required.

313 ADVANCED FARM MANAGEMENT**3 sem. hrs.**

Farm business decisions and their interrelationships. Examination of statics, dynamics and uncertainty in agricultural decision-making. Prerequisites: AGR 213, 216.

314 MARKETING GRAIN AND LIVESTOCK**3 sem. hrs.**

Economic principles applied to marketing grain and livestock. Consideration given to producers and distributors of grain, livestock, and their products. Prerequisite: AGR 214 or consent of instructor.

**315 FINANCIAL MANAGEMENT
AND ANALYSIS OF THE
AGRIBUSINESS FIRM****3 sem. hrs.**

Application of quantitative concepts and methods to the analysis and financial management of proprietary and cooperative agribusiness firms. Prerequisites: AGR 215; MAT 120; AGR 216 or ACC 131, or consent of instructor.

**317 FOOD INDUSTRY MARKETING &
STRATEGIC MANAGEMENT****3 sem. hrs.**

Marketing management and decision-making as they relate to corporate and cooperative marketing and strategic problem solving in the food industry. Prerequisite: AGR 215 or consent of instructor.

318 AGRICULTURAL FINANCE**3 sem. hrs.**

The principles of agriculture finance including the capital requirements, the sources of credit, and the optimum uses of capital. Prerequisite: AGR 216 or ACC 131.

**319 AGRICULTURAL POLICIES
AND PROGRAMS****3 sem. hrs.**

History and impact of government intervention in agriculture. Examination of major agricultural programs, past and present. Prerequisite: AGR 110.

320 FARM COMMODITY PRICING**3 sem. hrs.**

Theory and mechanics of price determination for agricultural commodities. Prerequisite: AGR 214.

324 COMMODITY FUTURES AND OPTIONS**3 sem. hrs.**

Examines the evolution of futures and markets and use of futures and options contracts as price risk management tools. Prerequisite: AGR 214 or consent of instructor.

**340 EQUIPMENT FOR PRODUCING AND
HANDLING AGRICULTURAL PRODUCTS****3 sem. hrs.**

Selection, design, operation, adjustment and maintenance of machinery and equipment used in producing, storing, and processing agricultural products. Prerequisite: AGR 130. Lecture and laboratory. Field trips.

**352 RESIDENTIAL AND SPORTS TURF
MANAGEMENT****3 sem. hrs.**

Principles and practices used in management of residential and recreational turfgrasses. Lecture, lab, and field trips. Prerequisite: AGR 120 and 150 or consent of instructor. Materials charge optional.

353 LANDSCAPE DESIGN AND CONSTRUCTION**3 sem. hrs.**

Problem approach to landscape design and construction. Site surveys and analyses. Plant selection and preparation of functional designs. Lectures and practice in landscape design. Prerequisites: AGR 252 and 255.

355 PLANT BIOTECHNOLOGY AND BREEDING**3 sem. hrs.**

Breeding procedures and techniques used in developing new varieties of field crops.

356 PLANT PROPAGATION**3 sem. hrs.**

Basic principles and commercial practices involved in sexual and asexual propagation of agricultural plants. Lecture and laboratory. Prerequisite: AGR 150 or BSC 196 or 197. Materials charge optional.

357 SOIL FERTILITY AND FERTILIZERS**4 sem. hrs.**

Fundamental concepts of soil fertility and fertilizer manufacturing. Plant nutrition, factors affecting plant growth, soil-plant relationships, and macro- and micro-nutrients. Lecture and laboratory; field trips. Prerequisite: AGR 157.

363 AGRICULTURAL STATISTICS**3 sem. hrs.**

Principles of agricultural research for plant and animal sciences; includes design, data collection, interpretation, and presentation of results. Prerequisites: MAT 120 or 144.

372 LIVESTOCK BREEDING**3 sem. hrs.**

Reproduction and principles of heredity and their application to livestock breeding; population genetics, inbreeding, relationship, outbreeding, and selection. Prerequisite: AGR 272 or BSC 219.

375 ANIMAL NUTRITION**3 sem. hrs.**

Science of animal nutrition; special attention to recent discoveries pertaining to the protein, mineral and vitamin requirements of livestock. Prerequisites: AGR 170, 171. Field trips. Offered odd numbered years.

**380 CURRENT ISSUES IN THE BEEF CATTLE
INDUSTRY****3 sem. hrs.**

Study of the history and evolution of beef cattle industry as impacted by internal and external factors. Lecture. Prerequisite: AGR 170; AGR 110, 214 recommended.

383 AGRICULTURE SAFETY AND HEALTH**3 sem. hrs.**

Major problems of accident causation and prevention applicable to agriculture and the need for farm safety education, engineering, and enforcement countermeasures. Half-day field trip. Prerequisites: CHE 110, 140, or consent of instructor, or admission to EH&S graduate program. Also offered as HSC 383.

394 METHODS AND PROCEDURES IN AGRICULTURAL EDUCATION**5 sem. hrs.**

Procedures in planning, conducting, and evaluating an agricultural education program; philosophical inquiry in education; teaching special needs students. Includes clinical experiences.

400 INDEPENDENT STUDY**1-4 sem. hrs.**

Refer to Index for General Courses.

418 ADVANCED AGRICULTURAL FINANCE**3 sem. hrs.**

Advanced principles of agricultural finance, including investment analysis, resource control, legal aspects of lending, and sources of capital. Prerequisite: AGR 315 or 318 or consent of instructor.

420 MANAGEMENT OF MARKET RISK IN AGRIBUSINESS**3 sem. hrs.**

An examination and analysis of the techniques used by agribusinesses for managing the risk associated with variable and unknown commodity prices. Prerequisite: AGR 314 and 320 or consent of instructor.

422 INTERNATIONAL TRADE OF AGRICULTURAL PRODUCTS**3 sem. hrs.**

Examination of the gains from trade and the impact of agricultural trade policies on the welfare of trading nations. Prerequisite: ECO 240 and 241 or consent of instructor.

424 AGRIBUSINESS STRATEGY AND ANALYSIS**3 sem. hrs.**

Advanced application of quantitative and qualitative analysis in the development and implementation of Agribusiness firm strategy and policy. Prerequisite: Admission to Agribusiness graduate program or consent of instructor.

445 STATISTICS IN APPLIED SCIENCE AND TECHNOLOGY**3 sem. hrs.**

Descriptive and inferential statistics in the applied sciences; statistical analysis using microcomputer applications. Also offered as FCS/HSC/KNR/TEC 445.

497 RESEARCH METHODOLOGY IN AGRIBUSINESS**3 sem. hrs.**

The procedure, techniques, and application of research methods in agribusiness. Problem identification and analysis, experimental design and report presentation. Prerequisite: Admission to Agribusiness graduate program or consent of instructor.

CRIMINAL JUSTICE SCIENCES (CJS)**441 Schroeder East, (309) 438-7626****www.ilstu.edu/depts/cjs****Chairperson:** David Falcone. Office: 441 Schroeder East.**Graduate Program Director:** Dawn Beichner.**Graduate Faculty:** D. Beichner, D. Falcone, M. Gizzi, J. Hill, S. Kethineni, J. Krienert, F. Morn, C. Rabe-Hemp, J. Walsh, R. Weisheit, L. Wells.

University Regulations

In addition to the requirements of the individual graduate program, all students are subject to university regulations detailed in the front of the Graduate Catalog. Below is a summary of the most commonly referenced regulations. To locate full details of each regulation, use the index at the end of the catalog.

Academic Good Standing: A 3.00 minimum cumulative graduate GPA is required for graduation and for all courses and activities that require good academic standing.

Course Numbering System, Course Offerings: Some 300- and 400-level courses will not count toward graduate degrees. Any 300-level courses not listed in the Graduate Catalog are undergraduate credit only and are not available for graduate credit. Courses numbered 399 and 429 may be taken for graduate credit but do not count toward a graduate degree.

Use of credit hours from the course group 393, 397, 400, 493, 498 toward a degree is limited. No more than 9 hours total from this group count toward the degree. No more than 6 of the 9 hours may come from 400. Review degree requirements and count previous hours taken from this group before enrolling, since once the limit is reached, no more hours from this group will apply toward the degree.

Use of thesis/dissertation hours toward a degree is limited.

Student-at-Large: Courses taken as a student-at-large do not count toward the degree unless recommended by the degree program. Limit of 12 hours.

Transfer of Credit: Transfer courses must meet university qualifications and be approved by the program and Graduate School. No transfer of the following: courses with grade lower than B, independent study, courses from non-accredited universities, courses used toward another degree, courses over six years old when student first registered for the ISU degree program. No transfer credit is counted toward 400-level hours requirement. Request for Transfer of Credit form is posted at www.grad.ilstu.edu/plans.

Time Limitations: Degree completion is subject to university time limitations. Students who do not meet the time limit may be required to retake courses.

Readmission of Former Students: A lapse in registration of one calendar year or more requires application for readmission to the university.

Continuous Registration: Thesis and dissertation students must maintain continuous registration. Students generally enroll in 499 Master's Thesis or 599 Doctoral Dissertation. Under certain circumstances 499.01, 499.90, 599.01, or 599.90 may be appropriate.

Master's Degree in Criminal Justice Sciences

The Department of Criminal Justice Sciences offers a program leading to the M.A. or M.S. degree. The primary purpose of the program is to provide students with the skills to analyze crime and criminal justice policies. Those skills prepare students for advanced graduate study and/or careers in the administration of criminal justice. Course work in the program is designed to develop individual thought processes and facilitate the development of analytical abilities and professional skills. Core areas of study include: (1) Research Methods; (2) The Nature of Crime; (3) The Criminal Justice System; and (4) Management and Policy. Through the advanced study of theoretical and applied issues in criminal justice, Master's degree students will be prepared to assume leadership positions in the field of criminal justice at various levels of government or in the private sector or pursue continued graduate education. Study in criminal justice is interdisciplinary, drawing on concepts, theories and applications from psychology, sociology, political science and other social and behavioral sciences.

The curriculum is flexible, permitting students to pursue course work reflective of individual interests and professional goals. The program is designed to provide the students with a basic foundation in the field of criminal justice. Specialization is possible through careful selection of electives in collaboration with faculty mentors and with the approval of the graduate adviser.

Students with an undergraduate degree in a related social or behavioral science are often well prepared to enter the Master's program. Prospective graduate students unfamiliar with the discipline are provided with the Criminal Justice Sciences Reading List. This list includes readings in each of the four core areas and allows the student to become familiar with noted works in the field.

Admission Requirements

All applicants are required to submit GRE General Test scores.

A. A student whose undergraduate grade point average (computed on the last 60 semester hours of academic work) is 3.20 or higher will be admitted, on a space available basis, upon completion and processing of the application form and receipt in the departmental office of two letters of recommendation, and a goal statement outlining the applicant's intentions, background, etc.

B. Students whose undergraduate grade point average (last 60 hours) is between 3.0 and 3.19 will be admitted on a space available basis only. Preference will be given to students in this category who have degrees in criminal justice sciences or related disciplines. They must complete the steps outlined above.

C. Students with undergraduate graduate grade point averages (last 60 hours) of 2.60 to 2.99 will not be admitted except under special circumstances. For example, part-time students with practical experience in the field or students with scores on the verbal and quantitative sections of the GRE general test that total 1000 or higher might be given special consideration. They must complete the steps outlined above.

D. Students with grade point averages below 2.60 will not be admitted.

Applicants must complete a written statement concerning background, career goals and interest in criminal justice. The statement must be completed and received in the Department office prior to full admission to the graduate program.

Each student's transcript, application materials, and GRE scores will be reviewed by the Department's graduate adviser and admissions committee during the admission process.

Program Requirements

The Department offers both thesis and comprehensive examination options for completion of the master's degree. Students choosing the thesis option must complete 32 hours of course work including CJS 499 for six (6) hours of credit. Required courses for the thesis option include CJS 401, 402, 412, 415, 421, 440, 497, 499, and five (5) hours of electives selected with the cooperation of the student's mentor and the approval of the graduate adviser. The electives will be selected from appropriate graduate course offerings in Criminal Justice Sciences, Sociology, Political Science, and other departments. Courses at the 300 level may be taken only with the approval of the graduate adviser.

Students choosing the comprehensive option must complete 34 hours of course work and successfully pass a comprehensive examination in four areas. Required courses for the comprehensive option include CJS 400 (4 hours), 401, 402, 412, 415, 421, 440, 497, and nine (9) hours of electives from appropriate graduate course offerings in Criminal Justice Sciences, Sociology, Political Sciences, and other departments. Courses at the 300 level may be taken only with the approval of the graduate adviser.

Internship in Criminal Justice Sciences

Each student working toward a Master's degree in Criminal Justice Sciences may enroll in the internship course (CJS 498). The student will be required to work in a criminal justice agency for eighteen hours per week throughout the semester. The internship provides the student with the opportunity to integrate classroom theory with practical experience. The program is designed to acquaint the graduate student with managerial principles and problems, so that he or she will be better qualified to assume management positions in criminal justice. Students will normally not be approved for enrollment in an internship prior to completion of sixteen graduate hours. The department has a full-time internship coordinator who arranges placement, provides supervision, and evaluates student performance.

Courses

300 RESEARCH METHODS 3 sem. hrs.

Assesses basic components of how research is conducted in criminal justice inquiries. Examines criteria for social scientific research in the criminal justice field. Prerequisite: Jr. standing (60 hours required); CJS 101 recommended.

**305 RULES OF EVIDENCE FOR THE
ADMINISTRATION OF JUSTICE**
3 sem. hrs.

Types of evidence, standards of proof, and legal requirements relating to the admissibility of evidence in court. Prerequisites: Jr standing (60 hrs. completed); CJS 101 and 208; major/minor or consent of department advisor.

**306 EXPERIENCES IN INTERNATIONAL
JUSTICE**
3 or 6 sem. hrs.

Exploration of a foreign country; students will have exposure to cultural, political, social, and criminal justice issues. Prerequisite: Freshman standing (12 hrs. completed); travel fees apply.

**307 FAMILY VIOLENCE: CROSS-CULTURAL
PERSPECTIVES**
3 sem. hrs.

Analysis of family violence in the U.S. and other countries. Emphasis on police and judiciary response, solutions, and treatments. Prerequisites: CJS 101; Jr. standing (60 hrs. completed); Major/Minor only or consent of department advisor.

**308 RACE, ETHNICITY, AND
CRIMINAL JUSTICE**
3 sem. hrs.

Historical and contemporary perspectives of race, ethnicity, crime, and justice relations in the United States. Prerequisites: CJS 101; Jr. standing (60 hrs. completed); major/minor only or consent of department advisor.

310 CORRECTIONAL INSTITUTIONS
3 sem. hrs.

An intensive analysis of correctional institutions and jails focusing on management issues, inmate subcultures and prisonization. Prerequisites: CJS 101, 200, or consent of department; major/minor only.

**322 COMMUNICATION SKILLS
IN CRIMINAL JUSTICE**
3 sem. hrs.

Development of interpersonal communication, interviewing and decision-making skills for intervention with criminal justice clients. Prerequisite: CJS 201 or consent of department.

**337 SEX OFFENDERS AND THE CRIMINAL
JUSTICE SYSTEM**
3 sem. hrs.

Analysis of sex offender prevalence and typologies. Emphasis on assessment, treatment, and management within the community. Prerequisite: CJS 101; Jr. standing (60 hrs. completed); major/minor only or consent of department.

338 ALCOHOL, DRUGS, AND CRIME
3 sem. hrs.

Analysis of the impact of alcohol and drugs on crime and criminal justice system. Prerequisite: CJS 101 or consent of department.

339 WOMEN IN CRIMINAL JUSTICE
3 sem. hrs.

Historical and theoretical perspectives and contemporary trends concerning women and crime, and processing of women by the criminal justice system. Prerequisite: CJS 101 or consent of department.

340 ORGANIZED AND WHITE COLLAR CRIME
3 sem. hrs.

Analysis of organized and white collar crime problems in America. Topics include prevalence, impact, laws, and investigative techniques. Prerequisite: CJS 101 or consent of department.

342 VICTIMOLOGY
3 sem. hrs.

Examination of victim's role in the criminal event; process of victimization; patterns, trends, theories, and victim-offender relationships. Prerequisite: CJS 101 or consent of department; CJS 201 recommended.

360 ISSUES IN CRIMINAL JUSTICE
1-4 sem. hrs.

A critical and analytical study of a contemporary issue or controversy in the field of criminal justice. May be repeated once if content different for maximum of six hours.

369 WORLD CRIMINAL JUSTICE SYSTEMS
3 sem. hrs.

Analysis of crime and criminal justice systems of selected countries. Emphasis upon England, France, Japan, Russia, and India. Prerequisite: CJS 101 or consent of instructor.

400 INDEPENDENT STUDY
1-4 sem. hrs.

Refer to Index for General Courses. Majors only.

401 CRIMINOLOGICAL THEORY
3 sem. hrs.

An intensive study and critical analysis of criminological theories and their contribution to the field of criminal justice. Majors only.

402 ISSUES IN JUSTICE
3 sem. hrs.

A critical review of major contributions to the literature of criminal justice with an emphasis on analysis of problems. Majors only. May not be repeated.

412 CORRECTIONAL SYSTEMS
3 sem. hrs.

Critical review and analysis of institutional and community-based corrections as impacted by the political, social, and economic systems. Majors only.

415 POLICING AND SOCIETY
3 sem. hrs.

Organizational and operational policing from comparative and historical perspectives which have been derived through statistical, observational and survey methodologies. Majors only.

**421 MANAGEMENT ISSUES IN THE
CRIMINAL JUSTICE SYSTEM**
3 sem. hrs.

An examination of selected criminal justice system management issues and problems focusing specifically on law enforcement, the courts, and corrections. Majors only.

**440 STATISTICAL APPLICATIONS IN
CRIMINAL JUSTICE**
3 sem. hrs.

Application of statistical analysis to criminal justice data for purposes of policy analysis and theory testing. Quantitative analysis using SPSS. Prerequisite: CJS 497.

465 SOCIOLOGY OF FORMAL ORGANIZATIONS
3 sem. hrs.

Analysis of classical organizational models including: Weberian, Classical Management, Human Relations, Decision Making, and Political Process. Focus on environmental, contextual, structural, process, and performance dimensions of organizations. Offered in SOC.

467 SOCIOLOGY OF LAW
3 sem. hrs.

Sociological theories of law and research on law in society. Attention to judicial and jury decision-making, legal structures, legislation, power, beliefs, conflict, and social change. Public, civil, and criminal law included. Offered in SOC and CJS.

470 SEMINAR IN INTERNATIONAL JUSTICE, ETHICS, AND CONFLICT
3 sem. hrs.

A study and critical analysis of historical and contemporary issues in international justice, conflict, terrorism, ethics, and law. Majors only.

497 INTRODUCTION TO RESEARCH
3 sem. hrs.

Selection of a research problem, collection of data, types of research, the research report, and use of the library in connection with the research problem. Emphasis on understanding and interpreting frequently used statistical concepts. Provides a background for the preparation of the thesis. Enables the student to become an intelligent consumer of the products of educational research. Prerequisite: CJS 300 or an equivalent undergraduate research/statistics course. Majors only.

498 PROFESSIONAL PRACTICE IN CRIMINAL JUSTICE
3 sem. hrs.

Refer to Index for General Courses.

499 MASTER'S THESIS
1-6 sem. hrs.

Course Numbering System, Course Offerings: Some 300- and 400-level courses will not count toward graduate degrees. Any 300-level courses not listed in the Graduate Catalog are undergraduate credit only and are not available for graduate credit. Courses numbered 399 and 429 may be taken for graduate credit but do not count toward a graduate degree.

Use of credit hours from the course group 393, 397, 400, 493, 498 toward a degree is limited. No more than 9 hours total from this group count toward the degree. No more than 6 of the 9 hours may come from 400. Review degree requirements and count previous hours taken from this group before enrolling, since once the limit is reached, no more hours from this group will apply toward the degree.

Use of thesis/dissertation hours toward a degree is limited.

Student-at-Large: Courses taken as a student-at-large do not count toward the degree unless recommended by the degree program. Limit of 12 hours.

Transfer of Credit: Transfer courses must meet university qualifications and be approved by the program and Graduate School. No transfer of the following: courses with grade lower than B, independent study, courses from non-accredited universities, courses used toward another degree, courses over six years old when student first registered for the ISU degree program. No transfer credit is counted toward 400-level hours requirement. Request for Transfer of Credit form is posted at www.grad.ilstu.edu/plans.

Time Limitations: Degree completion is subject to university time limitations. Students who do not meet the time limit may be required to retake courses.

Readmission of Former Students: A lapse in registration of one calendar year or more requires application for readmission to the university.

Continuous Registration: Thesis and dissertation students must maintain continuous registration. Students generally enroll in 499 Master's Thesis or 599 Doctoral Dissertation. Under certain circumstances 499.01, 499.90, 599.01, or 599.90 may be appropriate.

FAMILY AND CONSUMER SCIENCES (FCS)

144 Turner Hall, (309) 438-2517
www.cast.ilstu.edu/fcs

Chairperson: Connor Walters. Office: Turner Hall 144.

Graduate Program Director: Robert Cullen.

Graduate Faculty: J. Anderson, R. Cullen, C. Dyar, H. Gam, T. Johnson, Y. Ma, J. Memken, J. Murphy, N. Nnakwe, C. Walters, M. Wilson.

University Regulations

In addition to the requirements of the individual graduate program, all students are subject to university regulations detailed in the front of the Graduate Catalog. Below is a summary of the most commonly referenced regulations. To locate full details of each regulation, use the index at the end of the catalog.

Academic Good Standing: A 3.00 minimum cumulative graduate GPA is required for graduation and for all courses and activities that require good academic standing.

Master's Degree in Family and Consumer Sciences

The department offers work leading to the degrees M.A., M.S.

Admission Requirements

The department requires for admission to the master's program a preferred 3.0 GPA in the last 60 hours of undergraduate work and the GRE with a preferred verbal score of 420 (if taken before fall 2007). Three letters of recommendation and a statement of professional goals are submitted directly to the Department. Students who do not hold an undergraduate degree in family and consumer sciences must complete deficiency work determined by the graduate director. Preferred application deadlines are April 1 for the fall semester and October 1 for the spring semester.

Program Requirements

Each student may choose either of the following: (a) 32 semester hour program which includes a thesis (4-6 hours); or (b) 39 semester hour program of course work. For students choosing the 39-hour option, a scholarly project will be required that will be determined by the graduate coordinator in conjunction with the

graduate faculty. Degree requirements for both the 32 and 39 semester hour options include FCS 401, 445, and 497. The 32 hour program requires at least 15 semester hours numbered 400 and above and at least 16 hours in family and consumer sciences. The semester hours numbered 400 and above do not include thesis hours. The 39 semester hour program requires at least 18 semester hours in courses numbered 400 or above and at least 20 hours in family and consumer sciences.

A career option leading to general administrative endorsement with emphasis in vocational education is offered in cooperation with the Department of Educational Administration and Foundations through Agriculture, Business Education and Administrative Services, Family and Consumer Sciences, and Technology departments. Students interested in the vocational emphasis should (a) see department chairperson and (b) submit an Intent to File for Certification form in the Office of Clinical Experiences and Certification Processes. All students who plan to receive certification for the State of Illinois via an approved Illinois State program must file official forms and follow specific procedures. Certification is not given automatically at the completion of specific course work or degree program.

The Department offers courses in Child Life at the master's degree level. The Family and Consumer Sciences graduate program is registered with the Child Life Council. Completion of these courses prepares students to sit for the Child Life certification examination. An individual plan of study which is based on prior course work at the baccalaureate level will be developed by each student in consultation with the Child Life Director and department graduate coordinator. Minimum requirements include successful completion of department master's degree requirements, child life course work, and a Professional Practice internship at an approved hospital, under supervision by a certified Child Life Specialist.

Dietetic Internship Sequence

Illinois State University offers an American Dietetic Association CADE-accredited Dietetic Internship program (21-month program) as a sequence in the M.S. in Family and Consumer Sciences. The thesis option is 33 hours, and the non-thesis option is 39 hours.

In addition to the 9 credit degree core (FCS 401, 445, and 497), additional sequence requirements include: FCS 417 (4 hrs.), 420 (3 hrs.), 402 (2 hrs., repeated for a total of 4 credits), 6 hours of Internship Rotations (FCS 498), 3 hours of electives, and FCS 499 if choosing the thesis option (minimum of 4 hours), or an additional 10 hours of graduate course work including a culminating experience (FCS 400, 1 hr.) for the non-thesis option.

Successful completion of the master's degree requirements, in conjunction with the supervised practice experience, are required to earn the ADA Verification Statement necessary for applying to take the national registration examination. Applicants to this program must follow the American Dietetic Association application guidelines and submit their application materials directly to our internship director. All applications must be postmarked by the February deadline for the April match. Successful applicants will subsequently apply to the Illinois State Graduate Program. The graduate internship at Illinois State University is currently granted accreditation status by the Commission on Accreditation for Dietetics Education of the American Dietetic Association, 120 South Riverside Plaza, Suite 2000, Chicago IL 60606-6995; 312/899-0040, ext. 5400.

Graduate Certificate in Social Aspects of Aging

The Graduate Certificate in the Social Aspects of Aging is a multidisciplinary program designed to offer a limited number of academically and professionally oriented graduate experiences in aging. The graduate certificate is located within the Department of Sociology and Anthropology in cooperation with the Departments of Family and Consumer Sciences, Health Sciences, Psychology, and Speech Pathology and Audiology. For admission requirements and other information, please see the Department of Sociology and Anthropology section.

Courses

305 FAMILIES IN LATER LIFE

3 sem. hrs.

Exploration of family dynamics in later life. Emphasis on developmental tasks, needs, and decision-making issues of aging family members.

306 SEMINAR IN CHILD LIFE STUDIES

3 sem. hrs.

Application of child development theories and developmentally appropriate practices to children in health care settings. Prerequisites: FCS 101, 212, and 250 or 251; consent of instructor. Practicum experience required.

307 ADVANCED CHILD DEVELOPMENT APPLICATIONS

3 sem. hrs.

Research in the growth and behavior of the young child as related to family and society. Includes clinical experiences. Prerequisites: FCS 101, 250, and 251. Includes clinical experiences: 32 hours.

308 ORGANIZATION AND ADMINISTRATION OF EARLY CHILDHOOD PROGRAMS

3 sem. hrs.

Administration of early childhood programs and community services responsible for guidance of young children. Includes clinical experiences 20 hours, Type 10. Prerequisite: FCS 250 or consent of instructor. Includes clinical experiences.

309 COUPLE RELATIONSHIPS

3 sem. hrs.

An interactional approach to the study of intimate male-female pairings: establishing couple relationships and developing effective intimate pairing communications; an overview of marriage enrichment history, programs, practice, theory and research. Prerequisite: FCS 231.

310 FAMILY CRISES

3 sem. hrs.

Cognitive and affective exploration of family crisis: definition, management processes, and professional helping resources. Field trips.

311 COMMUNITY NUTRITION

3 sem. hrs.

Nutritional needs of selected populations vulnerable to inadequate diet; emphasis on U.S. programs designed for groups at nutritional risk. Prerequisite: FCS 102 or 106.

312 MEDICAL NUTRITION THERAPY

4 sem. hrs.

Planning modified diets and studying underlying diseases. Nutritional counseling of individuals and groups. Prerequisite: FCS 317.

314 EARLY CHILDHOOD NUTRITION EDUCATION
3 sem. hrs.

Principles of nutrition and current research. Emphasis on the needs of young children. Guidance in implementing a sound nutritional education program. Includes clinical experiences.

315 NUTRITION FOR HEALTH AND PHYSICAL FITNESS
3 sem. hrs.

An advanced course focusing on the physiological and biochemical importance of nutrition to health, physical fitness and sports. Prerequisites: FCS 102 or 106 or consent of instructor and KNR 182 or BSC 181 and 182.

316 FOOD SCIENCE
3 sem. hrs.

Experimental approach to principles underlying food preparation. Prerequisite: FCS 213, CHE 110 and 112. Materials charge optional.

317 NUTRITION AND METABOLISM
4 sem. hrs.

Physiological and biochemical basis for human nutritional requirements and health. Prerequisites: FCS 102, BSC 160, and KNR 182; CHE 242 concurrent registration.

318 FOOD SERVICE MANAGEMENT
3 sem. hrs.

Management of commercial and noncommercial foodservice systems: planning, control systems, decision making, and human considerations. Prerequisites: FCS 103 and 213, MQM 220.

319 QUANTITY FOODS
3 sem. hrs.

Principles, techniques, and standards, required to procure, store and prepare food in quantity for institutional and commercial feeding. Prerequisite: FCS 213. Field trips.

321 FLAT PATTERN DESIGN
3 sem. hrs.

Computer and hand techniques in making garment patterns by the flat pattern method. Prerequisite: FCS 122 or equivalent. Major/minor or consent of advisor. Materials charge optional. Materials charge optional. Formerly 322.

323 ADVANCED TEXTILES
3 sem. hrs.

Exploration of established practices and new developments in the textile and apparel industry. Research and problem-solving emphasis. Lecture and lab. Prerequisite: FCS 225 and 226. Materials charge optional.

324 DRAPING AND DESIGN
3 sem. hrs.

Interpretation of garment designs in fabric by means of the draping procedure. Prerequisite: FCS 122. Materials charge optional.

327 CLOTHING AND BEHAVIOR
3 sem. hrs.

Factors that influence behavior related to clothing selection and use. Emphasis on research. Prerequisites: FCS 225 and 226; PSY 110; and jr/sr or graduate standing.

328 ECONOMICS OF FASHION
3 sem. hrs.

Fashion as an economic force in the international economy. Fashion's influence on production, distribution, and consumption of textiles and apparel. Prerequisites: FCS 225, 226, and ECO 105.

329 APPAREL PRODUCT ANALYSIS
3 sem. hrs.

Overview of apparel manufacturing and analysis of ready-to-wear apparel product quality. Prerequisites: FCS 122, 225, and 226.

330 DECISION-MAKING FOR CONSUMERS
3 sem. hrs.

Survey of consumer problems, trends, and information. Topics include: insurance, housing, credit, life style, consumer protection, leisure, and achieving financial security. Also offered as BTE 330.

331 CONSUMER MATERIALS
3 sem. hrs.

Application and evaluation of consumer information sources. Prerequisite: FCS 103; FCS 233 recommended.

333 FAMILY AND CONSUMER PUBLIC POLICY
3 sem. hrs.

Public and private sector programs serving human needs: role of family and consumer sciences in the public policy arena. Prerequisite: FCS 103; FCS 233 recommended. Major/minor only or consent of advisor.

338 HISTORY OF INTERIOR & ENVIRONMENTAL DESIGN I
3 sem. hrs.

Major stylistic time periods in architecture and interior design from antiquity to late 19th century. Major/minor only or consent of instructor.

340 INTERIOR DESIGN I: STUDIO
4 sem. hrs.

Design principles applied to residential space. Students examine the ways in which rooms are affected by various design elements. Materials charge optional. Lecture and laboratory. Prerequisites: FCS 242; FCS 225 and 294 and TEC 110 or concurrent registration.

345 INTERIOR DESIGN BUSINESS PRACTICES
2 sem. hrs.

Practices and procedures of professional design firms. Emphasis on business ownership, programming, purchasing procedures, billing hours, contracts and business forms. Prerequisite: FCS 340 req.; FCS 300 rec.

346 ENVIRONMENTAL LIGHTING DESIGN
2 sem. hrs.

Design of the luminous environment. Emphasis on lighting sources, fixture schedules, switching patterns, and the required drawings used in residential and commercial applications. Prerequisite: FCS 340.

347 HUMAN FACTORS IN INTERIOR ENVIRONMENTS
2 sem. hrs.

Functionality and aesthetics of interior environments with an emphasis on interface between man-made environments and humans. Needs of special populations addressed. Prerequisite: FCS 242.

348 HISTORY OF INTERIOR AND ENVIRONMENTAL DESIGN II
2 sem. hrs.

Major movements in architecture and interior design from the late 19th century to the present. Prerequisite: FCS 338 recommended. Major/minor only or consent of advisor.

**352 RENDERING FOR
INTERIOR DESIGNERS**
3 sem. hrs.

Perspective sketching and delineations of architectural interiors. Various media and application techniques will be stressed for professional results in presentations. Prerequisites: FCS 242 or consent of instructor.

361 FASHION HISTORY I
3 sem. hrs.

Analysis of historic costume from antiquity through 19th century, in relation to social and cultural environments. Emphasis on western world. Prerequisite: FCS 226 and 226.

362 FASHION HISTORY II
3 sem. hrs.

Analysis of 20th century fashion in relation to social and cultural environments. Study of American and international designers and innovators. Prerequisite: FCS 225 and 226.

364 BASIC SKILLS IN COUNSELING
3 sem. hrs.

Introduction to the basic procedures and skills of counseling from a multi-cultural context.

**365 APPAREL COLLECTION
DEVELOPMENT**
3 sem. hrs.

Advanced problem-solving in apparel collection design with emphasis on integration of various tools of design. Prerequisites: FCS 122, 228, 321, or consent of instructor. Materials charge optional.

366 CAD FOR APPAREL DESIGN
3 sem. hrs.

Application of art principles to apparel design using CAD. Apparel idea development from concept through application to production. Portfolio development. Prerequisites: FCS 122, 226, and 228. Materials charge optional.

368 FASHION PROMOTION
3 sem. hrs.

Apparel merchandising techniques with emphasis on visual merchandising advertising, fashion shows, and related promotional activities. Prerequisites: FCS 226.

**369 MERCHANDISE PLANNING
AND CONTROL**
3 sem. hrs.

Financial management of merchandising fashion goods, with emphasis on stock, sales, assortment planning and control. Prerequisites: FCS 226; MKT 230 and 335; MQM 220.

370 INTERIOR DESIGN II: STUDIO
4 sem. hrs.

The process of linking spaces using architectural elements. Emphasizing the design process as it affects private and public spaces. Prerequisites: FCS 340; FCS 218 and TEC 211 and ART 352 or concurrent registration. Field trips. Materials charge optional.

371 ADVANCED MERCHANDISING
3 sem. hrs.

Merchandising practices as related to current issues in management, entrepreneurship, as well as planning, developing, and presenting softgood lines. Prerequisite: FCS 369.

375 INTERIOR DESIGN III: STUDIO
4 sem. hrs.

Study of design theory/analysis in relation to large-scale, comprehensive commercial interiors. Emphasis on codes regulating ergonomic and life safety issues. Prerequisite: FCS 370. Materials charge optional.

**380 ORGANIZATION AND ADMINISTRATION OF
VOCATIONAL COOPERATIVE
EDUCATION PROGRAMS**
3 sem. hrs.

Planning and organizing a cooperative program; emphasis on recruitment, selection of training stations, student placement, and operation of cooperative plan. Offered also as BTE 380. Includes clinical experience 5 hrs, Type 10.

**382 COORDINATION TECHNIQUES OF
COOPERATIVE VOCATIONAL
EDUCATION PROGRAMS**
3 sem. hrs.

Coordination techniques needed for high school and post-secondary teacher coordination in integrating classroom activities with daily employment. Offered also as BTE 382 or TEC 306. Includes clinical experiences 5 hours, Type 10.

394 HEALTH ASPECTS OF AGING
3 sem. hrs.

Characteristics of the aging process and factors influencing adaptation and the quality of living. Also offered as HSC 394 and KNR 394.

400 INDEPENDENT STUDY
1-4 sem. hrs.

See Index for General Courses.

**401 THEORIES AND CONTEMPORARY ISSUES IN
FAMILY AND CONSUMER SCIENCES**
3 sem. hrs.

Analysis of theories concerning Family and Consumer Sciences. Emphasis on the profession's integrative framework; public policy, problem-solving and social responsibility.

402 SEMINAR IN FAMILY AND CONSUMER SCIENCES
2 sem. hrs.

Each student reviews research and exchanges information, problems, and results by informal lectures, reports, and discussions. May be repeated.

403 CHILDREN IN HEALTHCARE SETTINGS
3 sem. hrs.

Theories and research of child life practices and policies as they relate to the care of children in health care settings. Prerequisite: Consent of instructor. Practicum experience required.

408 HUMAN DEVELOPMENT IN SOCIAL CONTEXT
3 sem. hrs.

Theories and research regarding human development and family dynamics and their relationship to apparel, housing, food, nutrition, and other family resources. Offered in the Fall semester.

412 FAMILIES AND THE WORKPLACE
3 sem. hrs.

The study of interaction/conflict between the demands of work and family roles following family resource management theories.

417 ADVANCED MEDICAL NUTRITION THERAPY**4 sem. hrs.**

Advanced application of theory in practice as it relates to nutrition assessment, diagnosis, intervention, monitoring, and evaluation. Prerequisite: Consent of instructor.

420 ADVANCED NUTRITION**3 sem. hrs.**

Nutrition research applied to improved dietary planning.

424 SELECTED PROBLEMS IN FAMILY AND CONSUMER SCIENCES**1-6 sem. hrs.**

Prerequisite: Approval by department graduate coordinator. May be repeated.

445 STATISTICS IN APPLIED SCIENCE AND TECHNOLOGY**3 sem. hrs.**

Descriptive and inferential statistics in the applied sciences; statistical analysis using microcomputer applications. Also offered as AGR/KNR/TEC 445.

491 INTERNSHIP IN COLLEGE TEACHING IN FAMILY AND CONSUMER SCIENCES**3 sem. hrs.**

(See Curriculum and Instruction 491.)

497 INTRODUCTION TO RESEARCH METHODOLOGY**3 sem. hrs.**

Selection of a research problem, collection and analysis of data, types of research, the research report, and use of library and data processing resources. Enables the student to become an intelligent consumer of the products of family and consumer sciences research; provides a background for the preparation of a thesis. To be taken during the first 12 hours of graduate work. Offered in the fall semester.

498 PROFESSIONAL PRACTICE: FAMILY AND CONSUMER SCIENCES**1-8 sem. hrs.**

Refer to index for General Courses.

499 MASTER'S THESIS**1-6 sem. hrs.****HEALTH SCIENCES (HSC)**

305 Felmley Hall, (309) 438-8329

www.healthsciences.ilstu.edu

Chairperson: Marilyn Morrow. Office: 305 Felmley Hall.

Graduate Program Director: Thomas Bierma.

Graduate Faculty: T. Bierma, J. Broadbear, G. Byrns, G. Jin, M. Micke, M. Morrow.

Note: Graduate degrees are not granted in the Department of Health Sciences, but coursework is available as supplemental study or electives.

Courses**322 POLLUTION PREVENTION****3 sem. hrs.**

Basic methods in pollution prevention as applied to industrial and non-industrial settings. Prerequisites: MAT 119; HSC 145 and 247.

350 FOOD PROTECTION**3 sem. hrs.**

An intensive study of the laws, principles, and techniques applied in the protection of food and milk for human consumption. Prerequisites: HSC 145; CHE 140; CHE 141 or concurrent registration; BSC 160 or concurrent registration; admission to the EH&S graduate program.

359 INDUSTRIAL HYGIENE**3 sem. hrs.**

Techniques for measurement, evaluation and control of chemical and physical hazards in occupational environments. Prerequisite: CHE 220; HSC 248; MAT 120 or 145; or admission to the EH&S graduate program. Materials charge optional.

362 ERGONOMICS**3 sem. hrs.**

Overview of physical and psychological aspects of ergonomics, including workstation design, its role in accident causation, and ergonomic-related injuries and illnesses. Lecture. Prerequisite: HSC 248 or 271; PHY 105 or 108.

370 INDUSTRIAL SAFETY**3 sem. hrs.**

Principles, responsibilities, and techniques for developing, organizing, implementing, and administering an industrial safety program. Prerequisites: PHY 105 or 108; HSC 271 or degree student in the EH&S graduate program.

372 ACCIDENT/INCIDENT INVESTIGATION, RECORDS, AND EVALUATION**3 sem. hrs.**

Theory, function, and application of accident/incident investigation, reporting and analysis systems. Form design, utilization and record keeping procedures. Prerequisites: PHY 105 or 108; HSC 271 or concurrent registration; or degree student in the EH&S graduate program.

378 DISASTER PREPAREDNESS**3 sem. hrs.**

Organizing, directing, coordinating disaster services in schools, industry, and local government. Includes a hands-on disaster exercise. Prerequisites: CHE 110 and 112 or CHE 140; MAT 120 or consent of instructor.

380 FIRE PROTECTION AND PREVENTION**3 sem. hrs.**

Measures related to safeguarding human life and preservation of property through prevention, detection, and suppression of fire. Lecture. Prerequisite: HSC 370 or concurrent registration.

381 OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA)**3 sem. hrs.**

Interpretation of the provisions of the Occupational Safety and Health Act; the regulations, standards and reporting requirements pursuant to it. Prerequisites: Junior/Senior standing or admission to EH&S graduate program; or consent of instructor.

382 IMPROVING SAFETY PERFORMANCE**3 sem. hrs.**

Development of specialized knowledge and skills in problem-solving, evaluation and implementation of occupational safety programs. Prerequisites: HSC 370; MQM 100 or ECO/GEO/POS/PSY 138.

383 AGRICULTURAL SAFETY AND HEALTH**3 sem. hrs.**

Major problems of accident causation and prevention applicable to agriculture and the need for farm safety education, engineering, and enforcement of countermeasures. Half-day field trip required. Prerequisites: CHE 110 or 140, or consent of instructor; or admission to the EH&S graduate program. Also offered as AGR 383.

384 HAZARDOUS MATERIALS REGULATIONS**3 sem. hrs.**

Overview of federal and state safety and environmental regulations dealing with hazardous materials in the workplace and community. Lecture. Prerequisites: HSC 271 and CHE 220; or admission to the EH&S graduate program.

385 SYSTEM SAFETY**3 sem. hrs.**

Risk and life cycle concept. Application of inductive and deductive analytical techniques for hazard identification and risk assessment. Prerequisites: HSC 204 or MQM 100 or ECO/GEO/POL/PSY 138.

387 PROGRAMS IN SCHOOL HEALTH**3 sem. hrs.**

Comprehensive school health education with major topics of health education, school health programs, and school community collaboration.

390 DRUGS IN SOCIETY**3 sem. hrs.**

Psychological, social, medical, legal and economic aspects of use, misuse and abuse of substances will be explored along with the implications for education and prevention. Health Ed and KNR majors only.

391 CURRICULUM AND EVALUATION IN SCHOOL HEALTH**2-3 sem. hrs.**

School health education standards, curriculum development and evaluation, student assessment and accommodation for student with special needs. Prerequisites: HSC 290; admission to Professional Studies.

394 HEALTH ASPECTS OF AGING**3 sem. hrs.**

Characteristics of the aging process and factors influencing adaptation and the quality of living. Also offered as FCS 394.

395 MEDIA AND MATERIALS IN HEALTH EDUCATION**3 sem. hrs.**

Analysis and development of print and non-print materials and their use by health educators. Prerequisite: HSC 286. Health Ed and KNR majors only.

396 HEALTH EDUCATION PROGRAM PLANNING AND EVALUATION**3 sem. hrs.**

Theory and application of health education planning and promotion. Grantsmanship and evaluation will be emphasized. Prerequisite: HSC 286. Health Ed and KNR majors only.

400 INDEPENDENT STUDY**1-4 sem. hrs.**

Refer to Index for General Courses.

421 PLANNING AND IMPLEMENTATION OF ENVIRONMENTAL HEALTH AND SAFETY PROGRAMS**3 sem. hrs.**

This course will prepare the student with the skills and knowledge necessary to plan and implement effective Environmental Health and Safety programs. Prerequisite: HSC 420.

445 STATISTICS IN APPLIED SCIENCE AND TECHNOLOGY**3 sem. hrs.**

Descriptive and inferential statistics in the applied sciences; statistical analysis using microcomputer applications. Also offered as AGR/FCS/TEC/KNR 445.

450 GRADUATE SEMINAR IN ENVIRONMENTAL HEALTH AND SAFETY**1 sem. hr.**

In-depth exploration of environmental health and safety topics. Prerequisite: Graduate student in science-related program. May be repeated for credit for up to 3 hours total.

452 ENVIRONMENTAL HEALTH AND MICROBIOLOGY**3 sem. hrs.**

Advanced study of the role of microorganisms in environmental health practice, focusing on monitoring and control of agents of infectious disease. Prerequisite: BSC 160 or equivalent, or consent of instructor.

453 RISK ASSESSMENT AND RISK MANAGEMENT**3 sem. hrs.**

A study of the tools and strategies for the quantitative and qualitative assessment and management of environmental and occupational risks. Prerequisite: HSC 420.

456 RISK COMMUNICATION**3 sem. hrs.**

A study of the tools and strategies for the interactive process of the exchange of risk assessment and management information and opinions among individuals, groups, and institutions. Prerequisite: HSC 420.

470 ADVANCED COMMUNITY HEALTH**3 sem. hrs.**

Analysis of interorganizational communication and cooperative efforts of local, state, national, and international health education organizations.

471 HEALTH AND SAFETY TRAINING**3 sem. hrs.**

Examination of components and processes of training for health and safety professionals, and development of skills in their use.

492 ADVANCED CONCEPTS IN HEALTH EDUCATION**3 sem. hrs.**

Examination of emerging concepts in health education related to the technological, psychological, and philosophical advances of society.

INFORMATION TECHNOLOGY (ITK)

202 Old Union Hall, (309) 438-8338
www.cast.ilstu.edu/itk

Chairperson: Terry Dennis. Office: 202 Old Union.

Graduate Program Director: Tibor Gyires

Graduate Faculty: M. E. Califf, G. Crow, T. Dennis, T. Gyires, C. Jong, C. Li, B. Lim, P. Mahatanankoon, J. Qaddour, R. Rariden, D. Twitchell, J. Vila Ruiz, D. Wallace, J. Wolf.

University Regulations

In addition to the requirements of the individual graduate program, all students are subject to university regulations detailed in the front of the Graduate Catalog. Below is a summary of the most commonly referenced regulations. To locate full details of each regulation, use the index at the end of the catalog.

Academic Good Standing: A 3.00 minimum cumulative graduate GPA is required for graduation and for all courses and activities that require good academic standing.

Course Numbering System, Course Offerings: Some 300- and 400-level courses will not count toward graduate degrees. Any 300-level courses not listed in the Graduate Catalog are undergraduate credit only and are not available for graduate credit. Courses numbered 399 and 429 may be taken for graduate credit but do not count toward a graduate degree.

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Use of thesis/dissertation hours toward a degree is limited.

Student-at-Large: Courses taken as a student-at-large do not count toward the degree unless recommended by the degree program. Limit of 12 hours.

Transfer of Credit: Transfer courses must meet university qualifications and be approved by the program and Graduate School. No transfer of the following: courses with grade lower than B, independent study, courses from non-accredited universities, courses used toward another degree, courses over six years old when student first registered for the ISU degree program. No transfer credit is counted toward 400-level hours requirement. Request for Transfer of Credit form is posted at www.grad.ilstu.edu/plans.

Time Limitations: Degree completion is subject to university time limitations. Students who do not meet the time limit may be required to retake courses.

Readmission of Former Students: A lapse in registration of one calendar year or more requires application for readmission to the university.

Continuous Registration: Thesis and dissertation students must maintain continuous registration. Students generally enroll in 499 Master's Thesis or 599 Doctoral Dissertation. Under certain circumstances 499.01, 499.90, 599.01, or 599.90 may be appropriate.

Master's Degree in Information Systems

The Master of Science in Information Systems program emphasizes the application of computers to real-world problem solving, focusing principally on software and people-related issues in the development of computer applications. It is appropriate for a range of students, including industry practitioners seeking career advancement, students wishing to expand on their undergraduate computing work, and individuals wishing to make a career change. Students may pursue a course, thesis, or project option.

Admission Requirements

All University and Graduate School requirements for admission to a degree program of the Graduate School apply. Additional School of Information Technology requirements are listed below.

Applicants must have a bachelor's degree from an accredited university or college and must have a grade point average (GPA) of at least 3.0 (B) on a 4.0 scale, calculated over the last 60 hours taken (either graduate or undergraduate). The undergraduate degree need not be in computing.

Applicants must submit scores from the Graduate Record Examination (GRE) General Aptitude test. The GRE Verbal score should exceed 350, the Quantitative score should exceed 400, and the sum of these two scores is typically expected to exceed 1100. International students must present a TOEFL score of at least 88 on the Internet-based test, 230 on the computer-based test, or 570 on the paper-based test. Applicants should submit to the School's graduate advisor a completed M.S. in Information Systems Supplemental Application, which is available online.

Students may be admitted to the Information Systems program for fall or spring semesters with preference given to student applications received by March 1 for fall (August) admission and by September 1 for spring (January) admission.

Full-time students in the Information Systems program should expect to spend at least two years to complete the master's program once foundation course work has been completed.

All 400-level courses in the School of Information Technology have restricted enrollments and are not open to graduate students-at-large. Opportunities for non-Information Systems majors, including GSALs and graduate students in other majors, to take undergraduate and 3xx.05-level computer courses are also limited, and permission to register must be obtained from the ITK graduate advisor (OU 302). Such students may be required to furnish official transcripts that show the degree earned and the prerequisites for the course in which the student is seeking enrollment.

Programs Offered

The School offers four sequence options to complete the Master of Science degree. The sequences are Information Assurance and Security, Internet Application Development, Systems Development, and Telecommunications Management. Within each sequence the student may choose to complete a 36 semester hour thesis option, a 39 semester hour project option, or a 39 semester hour course option.

Curriculum Requirements

This degree assumes an undergraduate knowledge base in information technology, which students with computer-related undergraduate degrees will typically have acquired. Students lacking sufficient background will need to complete fundamental courses before enrolling in the Information Systems core courses.

Students lacking sufficient background should expect to complete some or all of the following courses with a grade of "B" or better:

ITK 254 Hardware and Software Concepts
 ITK 261 Systems Development I
 ITK 275 Java as a Second Language OR
 ITK 177 Problem Solving for Information Technology &
 ITK 178 Computer Applications Programming
 ITK 375.05 Data Communications
 ITK 378.05 Database Processing

The ITK Graduate Advisor will determine specific requirements.

To provide a common background, each student is required to complete all courses in the following Core areas:

IS Technology (12 hours):

ITK 432 Systems Analysis and Design
 ITK 478 Advanced Database Management
 ITK 350.05 Fundamentals of Information Assurance and Security
 ITK 377.05 Practical Telecommunications Networking

IS Management (6 hours)

ITK 463 Information Technology Project Management
 ITK 496 Information Technology Strategy and Policy

Additional Course (3 hours)

ITK 497 Introduction to Research Methodology

All students must take ITK 497 during their first year in the program.

There are three options available within this degree: the Thesis Option, the Project Option, and the Course Option.

Thesis Option: The Thesis Option requires a minimum of 36 semester hours as follows:

Core courses	21 hours
ITK 499 (Master's Thesis)	6 hours
Choose one of the following sequences:	9 hours
<u>Information Assurance and Security Sequence</u>	
351.05	
2 of: 450, 451, 486, 495	
OR	
<u>Internet Application Development Sequence</u>	
353.05	
2 of: 354.05, 442, 467, 484, 495	
OR	
<u>Systems Development Sequence</u>	
467	
2 of: 341.05, 460, 468, 485, 495	
OR	
<u>Telecommunications Management Sequence</u>	
477, 479	
1 of: 371.05, 487, 495	
Total	36 hours

Students in the Thesis Option must complete a minimum of 18 hours of 400-level course work, not including thesis hours.

Project Option: The Project Option requires a minimum of 39 semester hours as follows:

Core courses	21 hours
ITK 494 (Master's Project)	6 hours
Choose one of the following sequences:	12 hours
<u>Information Assurance and Security Sequence</u>	
351.05	
3 of: 450, 451, 486, 495	
OR	
<u>Internet Application Development Sequence</u>	
353.05	
3 of: 354.05, 442, 467, 484, 495	
OR	
<u>Systems Development Sequence</u>	
467	
3 of: 341.05, 460, 468, 485, 495	
OR	
<u>Telecommunications Management Sequence</u>	
479	
3 of: 371.05, 451, 477, 487, 495	
Total	39 hours

Students in the Project Option must complete a minimum of 21 hours of 400-level course work, not including project hours.

Course Option: The Course Option requires a minimum of 39 semester hours as follows:

Core courses	21 hours
Technical Communication: TEC 349,	
ENG 349, or MQM 416	3 hours
Choose one of the following sequences:	15 hours
<u>Information Assurance and Security Sequence</u>	
351.05, 495	
3 of: 450, 451, 477, 486	
OR	
<u>Internet Application Development Sequence</u>	
353.05, 495	
3 of: 354.05, 442, 467, 484	
OR	
<u>Systems Development Sequence</u>	
467, 495	
3 of: 341.05, 460, 468, 485	
OR	
<u>Telecommunications Management Sequence</u>	
479, 495	
3 of: 371.05, 451, 477, 487	
Total	39 hours

Students in the Course Option must complete a minimum of 21 hours of 400-level course work.

Graduate Certificate Programs

The School of Information Technology offers several graduate certificate programs. The certificates are designed for individuals who would like to gain specialized knowledge in one of the areas of the certificates without the commitment of completing an entire degree program. The certificate programs provide students with focused studies and exposure to the very latest topics and trends in the IT industry and various opportunities for career advancement. Since the courses are periodi-

cally also offered online, a certificate can be a desirable option not just for full-time IT workers, but also for students living in other countries. Courses completed as part of the certificates may also be counted towards the requirements of the Master of Science in Information Systems with official admission to the graduate program.

Admission Requirements

All University and Graduate school requirements for admission to a graduate certificate program apply. Additional school requirements are listed below.

Admission to the graduate certificate programs requires an earned bachelor's degree in an information technology related field from an accredited four-year university or college with a minimum undergraduate grade point average (GPA) of at least 3.0 on a 4.0 scale calculated over the last 60 hours taken (either undergraduate or graduate). Extensive work experience in the information technology field is also considered towards admission. Applicants with a GPA less than 3.0 must submit scores of the GRE General Aptitude Test to be considered. Applicants should submit a statement of purpose and a resume to the Graduate Advisor. International students must prove proficiency in the English language.

Information Assurance and Security Graduate Certificate

The Information Assurance and Security Graduate Certificate is designed for IT professionals who are interested in continuing education in methodologies and tools necessary for protecting information and information systems. The certificate provides an in-depth study of protecting the confidentiality, availability, and integrity of information using technology, people, and policy. The courses required to receive this certificate have been certified by the National Security Agency; students completing this certificate will also receive certification for the CNSS 4011 national standard. Three courses, ITK 350.05, ITK 450, and ITK 451, are required to earn the certificate. *Prerequisite: ITK 261 or consent of the graduate advisor.*

Internet Application Development Graduate Certificate

The Internet Application Development Graduate Certificate is designed to provide a specialized education in emerging technologies for students who seek further studies in Web development. The certificate is intended to prepare students to meet the growing demand for qualifications in this field. Two core courses, ITK 353.05 and ITK 354.05, and one of ITK 442, 467, or 484, are required to earn the certificate. *Prerequisites: ITK 261 and 375.05 or consent of the graduate advisor.*

Systems Analyst Graduate Certificate

The Systems Analyst Graduate Certificate is designed for IT professionals who are interested in pursuing further professional development in the Systems Analyst area. This certificate program prepares students to better understand different information systems development methodologies and develop the skills to manage information systems projects. Three courses, ITK 432, 463, and 478, are required to earn the certificate. *Prerequisites: ITK 261 and 378.05 or consent of the graduate advisor.*

Telecommunications Management Graduate Certificate

The Telecommunications Management Graduate Certificate is designed for IT professionals who are interested in pursuing

further professional development in the Telecommunications and Networking area. This certificate program prepares students to better understand different telecommunications technologies and management methodologies. Two core courses, ITK 477 and 479, and one of ITK 371.05, 377.05, or 487, are required to earn the certificate. *Prerequisite: ITK 375.05 or consent of the graduate advisor.*

Courses

For a 300-level ITK course to be used toward the master's degree in Information Systems, students must enroll in a graduate section of the course (e.g., ITK 375.05).

326.05 PRINCIPLES OF SOFTWARE ENGINEERING 3 sem. hrs.

Fundamentals of software engineering. Topics include specification models, metrics, design fundamentals, interface design, quality assurance, and automated tools. *Prerequisites: ITK 179; ITK 261.*

327.05 CONCEPTS OF PROGRAMMING LANGUAGES 3 sem. hrs.

Survey of pragmatic, syntactic and semantic structure of programming languages. Procedural, logic-oriented, object-oriented and other contemporary languages included. *Prerequisite: ITK 179.*

328.05 INTRODUCTION TO THE THEORY OF COMPUTATION 3 sem. hrs.

Basic concepts in computing theory. Topics include recursive definitions, regular expressions, transition graphs, automata, nondeterminism, grammars, parsing, decidability, Turing machines. *Prerequisite: ITK 279 or consent of graduate advisor.*

330.05 INTRODUCTION TO ENTERPRISE COMPUTING SYSTEMS 3 sem. hrs.

Introduction to the mainframe enterprise computing systems, organizations, architectures, operating systems, networking, hardware and software utilities, and applications. *Prerequisite: ITK 225 or consent of graduate advisor.*

331.05 OPERATING, DATA COMMUNICATIONS, NETWORKING, AND SECURITY OF ENTERPRISE SYSTEMS 3 sem. hrs.

Mainframe Operating Systems, process communications, networking, protocols, enterprise system clustering, front/back-end hardware/software component connections, administrations, and security. *Prerequisite: ITK 225 or consent of graduate advisor.*

332.05 ADVANCED ENTERPRISE COMPUTING SYSTEMS 3 sem. hrs.

Enterprise systems programming, application development/integration, performance analysis/improvement, workload/resource management, database and information management, and system security enhancement. *Prerequisite: ITK 261, 330.05, and 331.05; or consent of graduate advisor.*

340.05 INTRODUCTION TO ARTIFICIAL INTELLIGENCE
3 sem. hrs.

Foundations of artificial intelligence including heuristic search and knowledge representation with a survey of several artificial intelligence research areas. Prerequisite: ITK 279 or consent of graduate advisor.

341.05 OBJECT-ORIENTED SYSTEM DEVELOPMENT
3 sem. hrs.

Main concepts of object-oriented technology and a comprehensive methodology for system development. Object-oriented analysis, design, and implementation including object-oriented databases. Prerequisites: ITK 178 or 275; ITK 261.

346.05 KNOWLEDGE ENGINEERING
3 sem. hrs.

In depth study of knowledge-based systems and the knowledge engineering process; use of expert systems tools to construct applications. Prerequisite: ITK 261.

350.05 FUNDAMENTALS OF INFORMATION ASSURANCE AND SECURITY
3 sem. hrs.

Fundamental concepts in information assurance and security including modeling, planning, risk management security technology, cryptography, people, and physical security. Prerequisite: ITK 261.

351.05 DATA COMMUNICATIONS SECURITY
3 sem. hrs.

Ensuring the security of data being stored, processed, and transmitted by computing systems and networks. Prerequisite: ITK 375.05 or 407.

353.05 WEB DEVELOPMENT TECHNOLOGIES
3 sem. hrs.

Web concepts, infrastructure, development technologies, multi-tiered program design and implementation, and current issues and trends. Prerequisites: ITK 178 or 275; ITK 261.

354.05 ADVANCED WEB APPLICATION DEVELOPMENT
3 sem. hrs.

Theory and practice of state-of-the-art technologies for application development for the Web including service-oriented and mobile systems. Prerequisite: ITK 353.05.

356.05 INTRODUCTION TO COMPUTER GRAPHICS
3 sem. hrs.

Graphics Systems: hardware, software, people. 2-D and 3-D Algorithms: lines, curves, polygons, surfaces, transformations. Applications: presentation graphics, packages. Prerequisite: ITK 279 or concurrent registration, or consent of graduate advisor.

365.05 SYSTEMS DEVELOPMENT TOOLS AND ISSUES
3 sem. hrs.

Modern systems development tools, implementation issues related to modern tools, techniques, and methodologies; emerging types of systems being developed. Prerequisite: ITK 261.

367.05 DESIGNING THE USER INTERFACE
3 sem. hrs.

Human factors issues in developing information systems: task analysis, user interface design guidelines, psychological principles, prototyping interfaces, and user evaluation. Prerequisite: ITK 261.

368 TOPICS IN INFORMATION SYSTEMS
3 sem. hrs.

Advanced topics in information systems, including systems analysis, design, and systems development, and Web development. Prerequisites: Vary with offering. May be repeated if content different.

371.05 SIMULATION AND ANALYSIS OF INTERNET APPLICATION PERFORMANCE
3 sem. hrs.

Performance prediction and simulation-modeling methods and techniques in the design and proactive management of Internet applications. Prerequisite: ITK 375.05 or 407.

372.05 EXTERNAL DATA STRUCTURES
3 sem. hrs.

External file design, VSAM, IBM utilities and sort/merge, basic concepts of IBM/MVS operating systems, and extensive study of JCL. Prerequisites: ITK 254 or 407; ITK 272 or consent of graduate advisor.

374 TOPICS IN TELECOMMUNICATIONS
3 sem. hrs.

In-depth study of a topic in Telecommunications such as emerging technologies, network administration, network management architectures and wireless communications. Prerequisites: Vary with topic chosen. May be repeated if content different.

375.05 DATA COMMUNICATIONS
3 sem. hrs.

Hardware and software used in data communications and networking. Network types, architectures and protocols and standards. Local area and packet networks. Prerequisites: ITK 178 or 275; ITK 225 or 254. Not for credit ITK graduate program.

377.05 PRACTICAL TELECOMMUNICATIONS NETWORKING
3 sem. hrs.

Design, configure, operate and use Local Area Networks, network applications, and wide area network concepts. Emphasizing hands-on use of a network operating system. Prerequisite: ITK 375.05 or 407.

378.05 DATABASE PROCESSING
3 sem. hrs.

Database concepts, emphasis on relational databases. SQL, data modeling, database design, DBMS functions, database application programming, current trends, design project. Prerequisite: ITK 261. Not for credit ITK graduate program.

380.05 WIRELESS COMMUNICATION SYSTEMS
3 sem. hrs.

Theory and practice of wireless telecommunications systems. Emphasis is on application, design, and analysis of wireless systems. Prerequisites: ITK 375.05 or 407.

382.05 DISTRIBUTED SYSTEMS
3 sem. hrs.

Overview of distributed systems including system architectures, models, distributed operating systems, distributed algorithms, distributed databases, distributed objects, issues and trends. Prerequisites: ITK 179 or 275; ITK 254 or 407; ITK 261.

383.05 PRINCIPLES OF OPERATING SYSTEMS
3 sem. hrs.

Functional criteria for operating system design. Job management, task management, data management, resource allocation and dump and trace facilities. Prerequisites: ITK 179 and 225.

385 TOPICS IN COMPUTER SCIENCE
3 sem. hrs.

In-depth study of a topic such as compiler design, artificial intelligence, programming language, and digital logic design. Prerequisites: Vary with offering. May be repeated if content different.

388.05 INTRODUCTION TO PARALLEL PROCESSING
3 sem. hrs.

Study of parallel processors and their software environments. Students will write programs for several parallel computers. Prerequisites: ITK 225; ITK 279 or concurrent registration or consent of graduate advisor.

392.05 ENTERPRISE SYSTEMS INTEGRATION AND APPLICATION DEVELOPMENT
3 sem. hrs.

Capstone course including business applications, systems integration, enterprise business decisions, systems administration, and the systems deployment life cycle. Prerequisites: ITK 332.05 and 378.05; or consent of graduate advisor.

394.05 ENTERPRISE SYSTEMS ARCHITECTURE, PERFORMANCE ANALYSIS, AND SERVER AND SERVER STRUCTURES
3 sem. hrs.

Capstone course, including enterprise system architectures, hardware/software design, performance analysis/evaluation and improvement, and server construction. Prerequisites: ITK 279 and 332.05; or consent of graduate advisor.

400 INDEPENDENT STUDY
1-3 sem. hrs.

Prerequisite: Consent of department.

407 TELECOMMUNICATION FUNDAMENTALS
4 sem. hrs.

Course compresses hardware and software concepts and principles of telecommunications, networking and network development into a single semester. Prerequisites: consent of graduate advisor. Not for credit ITK graduate program.

432 SYSTEMS ANALYSIS AND DESIGN
3 sem. hrs.

Study of systems development life-cycle emphasizing current techniques for documenting users' requirements and producing maintainable, cost effective systems. Prerequisites: ITK 261 and a two-semester sequence in a high-level programming language. Not for credit if ITK 363 has already been taken.

440 ARTIFICIAL INTELLIGENCE AND EXPERT SYSTEMS
3 sem. hrs.

Advanced study of artificial intelligence principles, software, and major areas of application. Emphasis on expert systems. Prerequisite: Two-semester sequence in a high-level programming language.

442 ELECTRONIC COMMERCE: ISSUES AND TECHNOLOGIES
3 sem. hrs.

In-depth study of electronic commerce and its potential impact upon markets and business organizations. Prerequisite: ITK 375.05 or 407.

450 POLICY AND ADMINISTRATION IN INFORMATION ASSURANCE AND SECURITY
3 sem. hrs.

Detailed look into the issues involved in managing information security in organizations. Prerequisite: ITK 350.05.

451 TOOLS AND APPLICATIONS IN INFORMATION ASSURANCE AND SECURITY
3 sem. hrs.

Hands-on use and management of tools and applications in information security and assurance. Prerequisite: ITK 350.05.

460 ENTERPRISE SYSTEMS INTEGRATION
3 sem. hrs.

Study of modern methods, techniques, and tools for enterprise integrated systems. Prerequisite: ITK 463.

463 INFORMATION TECHNOLOGY PROJECT MANAGEMENT
3 sem. hrs.

Techniques for planning and supervising software development and infrastructure related projects, including defining project scope, allocating resources, projecting costs, and tracking project progress. Prerequisite: ITK 432.

467 HUMAN FACTORS IN INFORMATION SYSTEMS
3 sem. hrs.

Human factors issues in developing information systems: design guidelines, psychological principles, incorporation into a systems development life cycle. Prerequisite: ITK 432.

468 SOFTWARE QUALITY ASSURANCE AND TESTING
3 sem. hrs.

Major techniques for improving software quality; quality assurance, software controls, and software testing. Prerequisite: ITK 432.

475 ADVANCED DATA COMMUNICATIONS AND NETWORKS
3 sem. hrs.

Study of network design, standards, and protocols; hardware and software; layered network architecture; telecommunications access methods; terminals and data streams. Prerequisite: ITK 375.05 or 407.

477 CONVERGED NETWORK ARCHITECTURES
3 sem. hrs.

Technical and management issues of underlying communications technologies, protocols, and applications of converged network architectures. Prerequisite: ITK 375.05 or 407.

478 ADVANCED DATABASE MANAGEMENT**3 sem. hrs.**

Theory, design, and implementation of application systems using database technology. Data modeling, database administration, database implementation, performance issues, current trends. Prerequisite: ITK 378.05.

479 ENTERPRISE TELECOMMUNICATIONS**3 sem. hrs.**

Study of the process of planning, acquisition, and administration of telecommunications systems. Prerequisite: ITK 477.

484 ADVANCED TOPICS IN INTERNET APPLICATION DEVELOPMENT**3 sem. hrs.**

In-depth study of advanced, state-of-the-art topics in Internet application development. Prerequisite: Consent of advisor. May be repeated if content different.

485 ADVANCED TOPICS IN SYSTEMS DEVELOPMENT**3 sem. hrs.**

In-depth study of an advanced, state-of-the-art topic in systems development. Prerequisite: Consent of advisor. May be repeated if content different.

486 ADVANCED TOPICS IN INFORMATION ASSURANCE AND SECURITY**3 sem. hrs.**

In-depth study of advanced, state-of-the-art topics in information assurance and security. Prerequisite: Consent of advisor. May be repeated if content different.

487 ADVANCED TOPICS IN TELECOMMUNICATIONS**3 sem. hrs.**

In depth study of advanced, state-of-the-art topics in telecommunications. Prerequisite: Consent of advisor. May be repeated if content different.

494 GRADUATE DIRECTED PROJECT**1-4 sem. hrs.**

Software development practicum for graduate students. Designed to integrate computer related skills in an intensive project environment. Prerequisites: Consent of Graduate Program Committee. May be repeated. A maximum of 6 hours may be counted toward a master's degree.

495 INFORMATION TECHNOLOGY CAPSTONE**3 sem. hrs.**

A culminating course emphasizing actual design and implementation of information systems by applying systems development, programming, and project management concepts. Prerequisite: 15 hours of 400-level ITK courses, including ITK 432 and 463.

496 INFORMATION TECHNOLOGY STRATEGY AND POLICY**3 sem. hrs.**

Analytical study of the use of information systems technology to develop and maintain a strategic competitive advantage. Prerequisite: ITK 432 and 463 or consent of graduate advisor.

497 INTRODUCTION TO RESEARCH METHODOLOGY**3 sem. hrs.**

Introduction to the design, evaluation, and understanding of qualitative and quantitative research methodologies. Prerequisites: ITK 375.05 and 378.05.

498 PROFESSIONAL PRACTICE IN INFORMATION TECHNOLOGY**1-6 sem. hrs.**

Refer to Index for General Courses. Supervised work experience in the field of information technology. Prerequisites: Completion of 18 credit hours or more in the ITK master's program and consent of graduate advisor. Not for credit toward 400-level course requirements or elective requirements.

499 MASTER'S THESIS**1-6 sem. hrs.**

KINESIOLOGY AND RECREATION (KNR)

214 Horton, (309) 438-8661
www.kinrec.ilstu.edu

School Interim Director: David Q. Thomas. Office: Horton 214.

Graduate Program Director: Amy Hurd.

Graduate Faculty: A. Amorose, B. Beggs, K. Bolton, D. Brown, M. Coleman, A. Cox, D. Elkins, D. Garrahy, A. Hansen, M. Henninger, A. Hurd, S. Klitzing, A. Lacy, K. Lagally, K. Laudner, K. Laurson, P. Malik, S. McCaw, C. McEvoy, T. McLoda, N. Popp, B. Schlatter, P. Smith, D. Thomas.

University Regulations

In addition to the requirements of the individual graduate program, all students are subject to university regulations detailed in the front of the Graduate Catalog. Below is a summary of the most commonly referenced regulations. To locate full details of each regulation, use the index at the end of the catalog.

Academic Good Standing: A 3.00 minimum cumulative graduate GPA is required for graduation and for all courses and activities that require good academic standing.

Course Numbering System, Course Offerings: Some 300- and 400-level courses will not count toward graduate degrees. Any 300-level courses not listed in the Graduate Catalog are undergraduate credit only and are not available for graduate credit. Courses numbered 399 and 429 may be taken for graduate credit but do not count toward a graduate degree.

Use of credit hours from the course group 393, 397, 400, 493, 498 toward a degree is limited. No more than 9 hours total from this group count toward the degree. No more than 6 of the 9 hours may come from 400. Review degree requirements and count previous hours taken from this group before enrolling, since once the limit is reached, no more hours from this group will apply toward the degree.

Use of thesis/dissertation hours toward a degree is limited.

Student-at-Large: Courses taken as a student-at-large do not count toward the degree unless recommended by the degree program. Limit of 12 hours.

Transfer of Credit: Transfer courses must meet university qualifications and be approved by the program and Graduate School. No transfer of the following: courses with grade lower than B, independent study, courses from non-accredited universities, courses used toward another degree, courses over six years old when student first registered for the

ISU degree program. No transfer credit is counted toward 400-level hours requirement. Request for Transfer of Credit form is posted at www.grad.ilstu.edu/plans.

Time Limitations: Degree completion is subject to university time limitations. Students who do not meet the time limit may be required to retake courses.

Readmission of Former Students: A lapse in registration of one calendar year or more requires application for readmission to the university.

Continuous Registration: Thesis and dissertation students must maintain continuous registration. Students generally enroll in 499 Master's Thesis or 599 Doctoral Dissertation. Under certain circumstances 499.01, 499.90, 599.01, or 599.90 may be appropriate.

Programs Offered

The School of Kinesiology and Recreation offers a 33-hour program leading to a Master of Science Degree in Kinesiology and Recreation. The program allows students to work with a member of the graduate faculty to pursue a sequence in Athletic Training, Biomechanics, Exercise Physiology, Psychology of Sport and Physical Activity, Recreation Administration, or Sport Management. Students seeking an Ed.D. in Educational Administration or Curriculum and Instruction may, with approval, include credit hours in KNR in their plan of study.

Admission Requirements

Admission to the Graduate Program in the School of Kinesiology and Recreation (KNR) as a degree student requires that the student meet all of the University Graduate School requirements. To be considered for admission to the School of Kinesiology and Recreation, a student must have an undergraduate grade point average (GPA) of at least 3.0 based on the last 60 hours of undergraduate work and submit Graduate Record Examination (GRE) scores on the verbal, quantitative, and analytical writing assessment. Applicants with a GPA of less than 3.0 but meeting or exceeding the university minimum of 2.8 may be considered for admission if combined GRE scores on the verbal and quantitative sections are at or above the 40th percentile (approximately 440 on the verbal and 540 on the quantitative). The analytical writing assessment portion of the GRE general test will also be used in considering applicants. Three letters of recommendation, a personal statement, and a vita must be sent to the School of Kinesiology and Recreation. Exceptions to the admission policies stated above are made on a case-by-case basis. Applicants may be admitted but should understand that additional undergraduate prerequisites to graduate course work may be required. Students seeking a master's degree with an emphasis in Athletic Training should already be NABOC certified or eligible for certification at the time of admission.

Program Requirements

The Master of Science degree is a 33 hour program typically completed during two academic years. The degree consists of a 6 hour research core (KNR 497, 445), 21-24 hours of additional graduate-level course work, and either six hours of Master's Thesis (KNR 499) or a minimum of 3 hours of a culminating experience (KNR 400 or 498). Since sequences are available in Kinesiology and Recreation, a plan of study is individually developed through faculty-student advisement. The program must include 15 hours of 400-level course work (excluding KNR 499 hours) and 24 hours of KNR courses

(including the research core). Students may pursue a sequence in one of the following areas: Athletic Training, Biomechanics, Exercise Physiology, Psychology of Sport and Physical Activity, Recreation Administration, or Sport Management. Specific requirements for each sequence are detailed below.

Athletic Training: In addition to the 6-hour research core required of all graduate students in KNR, this sequence requires students to complete 18 hours of graduate-level athletic training coursework (KNR 482, 486, 487, 490, 494), 3-6 hours in a cognate area approved by the athletic training sequence coordinator, and completion of a culminating experience approved by the athletic training sequence coordinator. The culminating experience consists of either a 6-hour thesis or 3 hours of independent study.

Biomechanics: In addition to the 6 hour research core required of all graduate students in KNR, this sequence requires students to complete at least 12 hours of graduate-level biomechanics coursework (KNR 352, 454, 482 are required, choose one or both of KNR 342 and 490), 6-9 hours in a cognate area approved by the biomechanics sequence coordinator, and completion of a culminating experience approved by the biomechanics sequence coordinator. The culminating experience consists of either a 6-hour thesis or 3-6 hours of independent study and/or professional practice.

Exercise Physiology: In addition to the 6 hour research core required of all graduate students in KNR, this sequence requires students to complete 15 hours of graduate-level exercise physiology coursework (KNR 415, 451, 454, 480, 481), 6-9 hours in a cognate area approved by the exercise physiology faculty advisor, and completion of a culminating experience approved by the exercise physiology faculty advisor. The culminating experience consists of either a 6-hour thesis or 3 hours of independent study.

Psychology of Sport and Physical Activity: In addition to the 6 hour research core required of all graduate students in KNR, this sequence requires students to complete 9 hours of graduate-level psychology of sport and physical activity coursework (KNR 405, 406, 416), 6-12 hours in a cognate area approved by the psychology of sport and physical activity faculty advisor, and completion of a culminating experience approved by the psychology of sport and physical activity faculty advisor. The culminating experience consists of either a 6-hour thesis or 3-6 hours of independent study and/or professional practice.

Recreation Administration: In addition to the 6 hour research core required of all graduate students in KNR, this sequence requires students to complete 15 hours of graduate-level recreation administration coursework (KNR 455, 466, 473, 474, 475), 6-9 hours in a cognate area and completion of a culminating experience, both of which are approved by the faculty advisor. The culminating experience consists of either a 6-hour thesis or 3 hours of independent study.

Sport Management: In addition to the 6 hour research core required of all graduate students in KNR, this sequence requires students to complete 15 hours of graduate-level sport management coursework (KNR 455, 462, 466, 467, 475), 6-9 hours in a cognate area approved by a sport management faculty advisor, and completion of a culminating experience approved by a sport management faculty advisor. The culminating experience consists of a 6-hour professional practice, a 6-hour thesis, or 3 hours of independent study.

Courses

317 SOCIOLOGY OF SPORT 3 sem. hrs.

The social institution of sport is examined using such sociological concepts as social organization, culture, socialization, deviance, social stratification, minority groups and collective behavior. Also offered as SOC 317.

342 OCCUPATIONAL BIOMECHANICS 3 sem. hrs.

Application of biomechanical principles to the solution of problems related to the interaction of the worker with the workplace. Prerequisites: KNR 282 or consent of instructor. Materials charge optional.

352 QUANTITATIVE ANALYSIS OF BIOMECHANICS 3 sem. hrs.

Amplification of kinematics and kinetics of human movement; introduction to high speed videography, biomechanics instrumentation and computer analysis. Prerequisites: KNR 282, or consent of instructor. Materials charge optional.

353 BASIC ELECTROCARDIOGRAPHY AND CLINICAL EXERCISE TESTING 3 sem. hrs.

Theory and application of electrocardiographic analysis in the functional and diagnostic assessment of individuals. Prerequisites: KNR 181, 182, 280, or consent of instructor.

361 PATHOLOGY AND PHARMACOLOGY IN ATHLETIC TRAINING 3 sem. hrs.

Relevant biomedical conditions and afflictions and associated pharmacological interventions for the athletic training student. Prerequisites: KNR 181 and 182, or consent of instructor.

381 SPECIAL STUDIES IN RECREATION, TOURISM, AND SPORT 1-3 sem. hrs.

Special work in research interests of student and staff. Projects must be approved by the instructor. Prerequisite: Graduate standing and consent of instructor. May be repeated; maximum 6 hours.

400 INDEPENDENT STUDY 1-4 sem. hrs.

Refer to Index for General Courses. Materials charge optional.

405 APPLIED MOTOR LEARNING 3 sem. hrs.

Motor learning and performance designed to apply theory to teaching practice in physical education. Prerequisite: KNR 257 or consent of instructor.

406 ADVANCED SPORT PSYCHOLOGY 3 sem. hrs.

In-depth analysis and synthesis of current and foundational sport psychology topics through lectures, labs, and class projects.

415 EXERCISE AND CARDIORESPIRATORY FUNCTION 3 sem. hrs.

In-depth examination of effects of acute and chronic exercise on cardiorespiratory anatomy and physiology. Prerequisite: KNR 181, 182, 280, or consent of instructor.

416 MOTIVATION IN SPORT AND EXERCISE 3 sem. hrs.

Motivational factors affecting the performance of individuals in sport, physical education, and exercise domains will be examined. Prerequisite: KNR 306 or consent of instructor.

417 RESEARCH ON TEACHING IN PHYSICAL EDUCATION 3 sem. hrs.

Addresses research important to the development of effective teaching skills and student learning in physical education. Prerequisite: KNR 497 or consent of instructor.

423 SOCIOCULTURAL PERSPECTIVES IN PHYSICAL EDUCATION PEDAGOGY 3 sem. hrs.

Examination and critical analyses of research on sociocultural factors influencing the teaching-learning process in physical education settings.

440 SEMINAR IN SPORT MARKETING AND PUBLIC RELATIONS 3 sem. hrs.

Marketing and public relations principles and practices, including publicity, media relations, market research, and sales promotion applied to sport organization. Prerequisite: KNR 466.

445 STATISTICS IN APPLIED SCIENCE AND TECHNOLOGY 3 sem. hrs.

Descriptive and inferential statistics in the applied sciences; statistical analysis using microcomputer applications. Also offered as AGR/FCS/HSC/TEC 445. Prerequisite: KNR 497.

451 LABORATORY TECHNIQUES AND CONDITIONING FOR PERFORMANCE ENHANCEMENT 3 sem. hrs.

Application of advanced laboratory techniques to assess performance potential and guide in development of specialized conditioning programs. Prerequisites: KNR 280 or consent of instructor.

454 NEUROMUSCULAR ASPECTS OF EXERCISE PHYSIOLOGY 3 sem. hrs.

Structural, physiologic, and metabolic function of the neuromuscular system during exercise and following training. Prerequisite: KNR 280 or consent of instructor.

455 FISCAL MANAGEMENT IN SPORT AND RECREATION 3 sem. hrs.

Fiscal management in sport and recreation industries, including financial management, economic principles, and general business and accounting concepts.

462 PRINCIPLES OF SPORT LAW 3 sem. hrs.

Analysis of legal principles impacting organizations in sport industry, including torts, constitutional law, contracts, discrimination, and antitrust law.

466 MARKETING OF SPORT AND RECREATION 3 sem. hrs.

Market research and planning, product development, promotions, media relations, and sponsorship in sport and recreation.

**467 ADVANCED TOPICS IN
SPORT MANAGEMENT**
3 sem. hrs.

Intensive investigation of topics and issues affecting managers in the sport industry. Prerequisites: KNR 497; KNR 445 or concurrent registration.

**468 SPORT GOVERNANCE, ETHICS AND
PROFESSIONAL ISSUES**
3 sem. hrs.

Critical evaluation of sport governance, ethics, and professional issues; emphasis on principled, reflective resolution through literature analysis.

**473 TRENDS AND ISSUES IN
LEISURE SERVICES**
3 sem. hrs.

In-depth analysis of selected trends, issues and problems confronting leisure service and recreation practitioners in contemporary settings.

**474 CONCEPTS AND THEORIES OF
LEISURE AND RECREATION**
3 sem. hrs.

An examination of concepts, theories and determinants of leisure and recreation. Application of relevant research to leisure programs and services. Consent of instructor for non-KNR majors.

475 MANAGEMENT OF SPORT AND RECREATION
3 sem. hrs.

Management practices and principles related to effective operation of sport and recreation delivery systems.

480 EXERCISE AND BODY COMPOSITION
3 sem. hrs.

Theory and practice in the assessment and interpretation of exercise and body composition including age, gender, and racial variations. Prerequisite: KNR 280 or consent of instructor.

481 WORK METABOLISM
3 sem. hrs.

An investigation of the metabolic changes that occur during exercise stress in physical education and sport activities. Prerequisite: KNR 280 or consent of instructor.

**482 ADVANCED BIOMECHANICS OF
HUMAN MOVEMENT**
3 sem. hrs.

Emphasis is on problems of human movement from both theoretical and experimental aspects utilizing contemporary methodology. Prerequisite: KNR 342 or 352 or consent of instructor. Materials charge optional.

**485 ADVANCED SEMINAR IN
ATHLETIC TRAINING**
3 sem. hrs.

Advanced study and discussion of focused topics and contemporary problems related to the profession of athletic training.

**486 ADVANCED ASSESSMENT AND TREATMENT
OF MUSCULOSKELETAL INJURIES**
3 sem. hrs.

Detailed analysis of the advanced evaluation and treatment of musculoskeletal pathologies involving the upper and lower extremities. Prerequisites: KNR 387 and 388 or consent of instructor.

487 SPORTS MEDICINE: MEDICAL ASPECTS
3 sem. hrs.

A course for advanced study in the medical aspects of sports injuries: the medical specialties and their function in sports medicine.

490 INJURY BIOMECHANICS
3 sem. hrs.

In-depth analysis of biomechanical principles and pathomechanics related to the prevention, evaluation, and treatment of athletic related injuries. Prerequisite: KNR 282 or consent of instructor.

**491 INTERNSHIP IN COLLEGE TEACHING IN
HEALTH, KINESIOLOGY, AND RECREATION**
3 sem. hrs.

Credit in this course is given in Curriculum and Instruction. (See Curriculum and Instruction 491.)

494 MODERN MANUAL THERAPY
3 sem. hrs.

Detailed analysis and application of manual therapy techniques for treating musculoskeletal pathologies involving the spine and upper and lower extremities. Prerequisites: Acceptance into Athletic Training Sequence or consent of instructor.

**497 INTRODUCTION TO RESEARCH
METHODOLOGY**
3 sem. hrs.

Introduction to and evaluation of research designs and published research. Enables students to improve their use and production of research. Materials charge optional.

498 PROFESSIONAL PRACTICE KNR
1-12 sem. hrs.

Refer to Index for General Courses. Materials charge optional.

499 MASTER'S THESIS
1-6 sem. hrs.

Refer to Index for General Courses. Materials charge optional.

500 INDEPENDENT STUDY
1-4 sem. hrs.

A maximum of four hours may be applied toward the doctoral degree. Intensive study in a special area of the advanced student's interest under a qualified member of the faculty. Open only to doctoral students in EAF and C&I who have completed considerable work in a degree program, who are in good academic standing, and who have demonstrated ability to profit from independent study. A written proposal approved by the faculty member, the student's adviser, and the department chairperson is required prior to registration.

TECHNOLOGY (TEC)

210 Turner Hall, (309) 438-3661
www.tec.ilstu.edu

Chairperson: Rick Boser. Office: Turner Hall 210.

Graduate Program Director: Dan Brown.

Graduate Faculty: R. Boser, D. Brown, J. Brown, R. Custer, K. Devine, A. Gokhale, R. Meier, C. Merrill, B. Park, L. Reifschneider, K. Schmidt, K. Stier, D. Wilson.

University Regulations

In addition to the requirements of the individual graduate program, all students are subject to university regulations detailed in the front of the Graduate Catalog. Below is a summary of the most commonly referenced regulations. To locate full details of each regulation, use the index at the end of the catalog.

Academic Good Standing: A 3.00 minimum cumulative graduate GPA is required for graduation and for all courses and activities that require good academic standing.

Course Numbering System, Course Offerings: Some 300- and 400-level courses will not count toward graduate degrees. Any 300-level courses not listed in the Graduate Catalog are undergraduate credit only and are not available for graduate credit. Courses numbered 399 and 429 may be taken for graduate credit but do not count toward a graduate degree.

Use of credit hours from the course group 393, 397, 400, 493, 498 toward a degree is limited. No more than 9 hours total from this group count toward the degree. No more than 6 of the 9 hours may come from 400. Review degree requirements and count previous hours taken from this group before enrolling, since once the limit is reached, no more hours from this group will apply toward the degree.

Use of thesis/dissertation hours toward a degree is limited.

Student-at-Large: Courses taken as a student-at-large do not count toward the degree unless recommended by the degree program. Limit of 12 hours.

Transfer of Credit: Transfer courses must meet university qualifications and be approved by the program and Graduate School. No transfer of the following: courses with grade lower than B, independent study, courses from non-accredited universities, courses used toward another degree, courses over six years old when student first registered for the ISU degree program. No transfer credit is counted toward 400-level hours requirement. Request for Transfer of Credit form is posted at www.grad.ilstu.edu/plans.

Time Limitations: Degree completion is subject to university time limitations. Students who do not meet the time limit may be required to retake courses.

Readmission of Former Students: A lapse in registration of one calendar year or more requires application for readmission to the university.

Continuous Registration: Thesis and dissertation students must maintain continuous registration. Students generally enroll in 499 Master's Thesis or 599 Doctoral Dissertation. Under certain circumstances 499.01, 499.90, 599.01, or 599.90 may be appropriate.

Degree Programs Offered

The department offers a Master of Science in Technology degree. A student may choose one of the following options: (a) 30 semester hour program with a thesis, or (b) 33 semester hour program, plus a comprehensive examination. Three sequences, including Project Management, Training and Development, and Technology Education, are offered. The Technology Education sequence is not a teacher certification program. Certified teachers pursue the degree for professional development. Non-certified students also may pursue the master's degree in conjunction with other undergraduate courses required for teacher certification. University requirements for master's degrees are listed elsewhere in this catalog. All courses, including transfer courses, must be listed on the Plan of Study and approved by the graduate coordinator and the Director of Graduate Studies.

Graduate Certificate Programs

The department offers a graduate certificate in Project Management. This certificate requires successful completion with a grade of B or better in each of TEC 430, 431, and 432. Project Management is a rapidly growing field with numerous career opportunities in manufacturing, construction, printing and media development, industrial computer systems, and training industries. This certificate provides entry-level credentials appropriate for persons with technical expertise and substantial work experience. The content for these courses was identified through analysis of the Project Manager's Body of Knowledge developed by the Project Management Institute (PMI) organization and is consistent with those standards. This is not an advanced Project Management Professional (PMP) certification examination preparation program.

The department offers a graduate certificate in Training and Development. This certificate requires successful completion with a grade of B or better in each of TEC 406, 407, and 408. Training is a growing profession in industry but often does not require a graduate degree as credential for performing this important role. This certificate can allow the development of credentials and enhanced expertise for those attempting to become trainers in industry without the necessity of completing the degree. Course content was identified through analysis of American Society for Training and Development (ASTD) and International Board of Standards for Training, Performance and Instruction (IBSTPI) standards and recommendations and is consistent with those recommendations and standards.

Courses completed as a portion of the Department of Technology Graduate Certificate programs may also be counted toward the requirements of the Master of Science in Technology degree. No transfer credit may be counted toward completion of certificates. Students must petition for certificate eligibility.

Admission Requirements

Admission to the master's degree program or the graduate certificate programs requires an earned bachelor's degree with a minimum undergraduate cumulative GPA of 2.8 or a GPA of 3.0 in the last 60 undergraduate hours. Program applicants are encouraged, but not required, to submit the scores of the General Test of the GRE. Program applicants with GPA lower than 2.8 overall or 3.0 in the last 60 undergraduate hours must submit scores of the General Test of the GRE to be considered for probationary program admission and/or to apply for graduate assistantships. (Graduate Certificate students who are not enrolled in a degree program are not eligible for assistantships.) Applicants should submit to the department's graduate coordinator two letters of recommendation from professors or employers. Evidence of other significant professional experience that may contribute to the applicant's readiness for graduate work, such as publications or research reports, or evidence of professional leadership activities, may also be submitted.

Scholastic Requirements for Graduate Assistants

A student must be in academic good standing at the graduate level to retain a graduate assistantship.

Academic Advisement

Students seeking a master's degree in Technology should meet with the graduate coordinator of the department prior to enrollment in graduate courses. Deficiencies, if any, will be determined

and a graduate adviser assigned. The student and adviser will plan the graduate program during first semester after admission to the degree program.

Curriculum Requirements

Students must select one of two options (30 semester hours including thesis or 33 semester hours with a comprehensive exam) in completing the M.S. degree. Included in these options is a 6 credit hour core of courses required of all degree students, TEC 445 and 497.

Students must also complete courses selected from the following: TEC 400- and/or 300-level technical courses (if approved for graduate credit) and/or approved courses from other departments. No more than nine hours may be taken in a combination of TEC 393, 397, 400, 493, and 498 general courses. Students may select courses in other departments only by advisement.

30-Hour Thesis Option: Students selecting the thesis option will complete the core requirements of 6 hours and 6 hours of thesis. The remaining 18 hours of graduate course work is selected through advisement including the use of sequences or concentrations. A minimum of 15 credit hours (in addition to thesis credit) must be at the 400 level for the 30-hour program.

33-Hour Comprehensive Exam Option: Students selecting the comprehensive exam option will complete the core requirement of 6 hours as well as successfully complete a comprehensive examination scheduled through the department. The remaining 27 hours of graduate course work are selected through advisement and include the use of sequences and/or concentrations. In addition to the selected sequence or concentration, each student must also select an additional 9 credit hour area of concentration (consisting of preapproved conceptually connected course work). A minimum of 15 credit hours must be at the 400 level for the 33-hour program.

Training and Development Sequence

As part of either the thesis (30 hours) or comprehensive exam (33 hours) option, students can elect to be admitted into the Training and Development Sequence. Sequence requirements include the 6-hour degree core, courses and requirements necessary for the chosen option, and the following 9 hours of course work: TEC 406, 407, and 408.

Technology Education Sequence

As part of either the thesis (30 hours) or comprehensive exam (33 hours) option, students can elect to be admitted into the Technology Education Sequence. Sequence requirements include the 6-hour degree core, courses and requirements necessary for the chosen option, and the following 9 hours of course work: TEC 420, 421, and 422.

Project Management Sequence

As part of either the thesis (30 hours) or comprehensive exam (33 hours) option, students can elect to be admitted into the Project Management Sequence. Sequence requirements include the 6 hour degree core, courses/requirements necessary for the chosen thesis or comprehensive examination option, and the following 9 hours of course work: TEC 430, 431, and 432.

Courses

301 ADVANCED METHODS OF TEACHING TECHNOLOGY EDUCATION

3 sem. hrs.

Conceptual foundations and methodologies for teaching a standards-based technology education program at the elementary, middle-level, or secondary school. Lecture. Prerequisite: Technology education major, graduate standing, alternative certification, or provisionally certified teachers only.

302 CURRICULUM DEVELOPMENT, TECHNOLOGICAL DESIGN, AND PROBLEM SOLVING

3 sem. hrs.

Foundations and methodology concepts used to deliver and assess technology-based design and problem solving in the K-12 classroom/laboratory. Prerequisite: Education major, graduate standing, or practicing teacher.

303 ENGINEERING DESIGN

3 sem. hrs.

Foundational concepts of engineering design including history, technology, tools, computer applications, pedagogical, and professional issues. Lecture and lab. Prerequisites: TEC 216; MAT 108 and PHY 105 or concurrent registration. Materials charge optional.

306 COORDINATION TECHNIQUES OF COOPERATIVE VOCATIONAL EDUCATION PROGRAMS

3 sem. hrs.

Coordination techniques needed for high school and post-secondary teacher coordinators in integrating classroom activities with daily employment. Also offered as BTE 382 and FCS 382. Includes clinical experiences.

313 QUALITY SYSTEMS FOR TECHNOLOGY

3 sem. hrs.

Use of statistical methods involving control charts, paretos, histograms, scattergrams, flow charts, and problem-solving techniques to manage and improve quality. Prerequisites: MQM 100; MAT 120 or 144 or 145; 8 hrs in an TEC sequence; major/minor only or consent of department advisor.

315 COMPUTER-AIDED DESIGN FOR MANUFACTURABILITY

3 sem. hrs.

Design decisions and product manufacturability interaction, concurrent engineering tools, database development, applications in electro-mechanical design, FMS, etc. Prerequisites: TEC 130 and 216.

317 COMPUTER-AIDED RENDERING AND ANIMATION

3 sem. hrs.

Using computer systems to create renderings and animated presentations of design ideas in an industrial or architectural setting. Lecture and lab. Prerequisites: TEC 211 or 216 or consent of instructor.

318 PRODUCT MODELING AND ANALYSIS

3 sem. hrs.

Surface and solid modeling of parts and assemblies; parametric/associative design; mass properties analysis; interfacing to manufacturing and analysis programs. Prerequisites: TEC 216.

319 COMPUTER GRAPHICS**3 sem. hrs.**

Combination of graphic techniques and computer programming as means of industrial communication applied to solution and interpretation of technological problems. Lecture and lab. Prerequisite: C or better in TEC 283; major/minor only or consent department advisor.

320 PROJECT MANAGEMENT**3 sem. hrs.**

Fundamentals of project management emphasizing planning techniques to meet stakeholder expectations regarding project scope, time, cost, and quality. Lecture. Prerequisite: TEC 270 and completion of 60 hrs. Not available for graduate credit if had TEC 431 or 432.

322 BUILDING CODES AND INSPECTIONS**2 sem. hrs.**

Model construction codes and the application and administration of minimum standards for public safety. Lecture. Prerequisite: TEC 120 or 211.

325 COMPUTERIZED ESTIMATING AND SCHEDULING**3 sem. hrs.**

Integrated approach to computerized estimating and scheduling as methods of project control. Prerequisites: TEC 222, 224, and 229.

326 CONSTRUCTION FINANCE AND ACCOUNTING**3 sem. hrs.**

Practical application of financial and accounting fundamentals specific to the construction industry. Lecture and lab. Prerequisites: ACC 131, ECO 105 and MAT 120; major/minor only or consent department advisor.

327 DESIGN OF BUILDING STRUCTURES**3 sem. hrs.**

Analysis and design of permanent and temporary structural systems for wood, steel, and concrete construction. Prerequisites: TEC 292, MAT 120, and PHY 105.

328 RESIDENTIAL DEVELOPMENT**3 sem. hrs.**

Principles and practices of residential development including land acquisition and improvement, regulations, construction, and sales. Lecture. Prerequisites: ECO 105, TEC 229, and jr. standing.

329 SUSTAINABLE BUILDINGS AND URBAN DEVELOPMENT**3 sem. hrs.**

Principles and practices of sustainable development in urban environments including building, transportation, and neighborhoods. Lecture. Prerequisites: TEC 120 or 211; Jr. standing; major/minor only or consent of department advisor.

330 APPLIED ECONOMIC ANALYSIS FOR TECHNOLOGISTS**3 sem. hrs.**

Applied economic techniques used to determine the relative worth of alternative systems, products, and services. Lecture and lab. Prerequisites: MAT 120; 6 credit hrs. of 200-level Technology course work.

345 PROCESS CONTROL NETWORKS**3 sem. hrs.**

Programmable Logic Controller (PLC) programming within process control networks connecting machines, devices, sensors, and computers. Lecture and lab. Prerequisites: TEC 240 and 263 or demonstrated equivalent competencies. Materials charge optional.

348 SELECTED TOPICS IN INDUSTRIAL COMPUTER SYSTEMS**3 sem. hrs.**

Study of advanced topics in computer technology, with laboratory experiences that apply current knowledge and skills. Lecture and lab. Prerequisite: TEC 245 and completion of 75 hours or consent of instructor; maj/min only or consent of department advisor. Materials charge optional. May be repeated if content different.

349 TECHNICAL AND PROFESSIONAL WRITING II**3 sem. hrs.**

Instruction and practice editing, proposals, and analytical writing; attention given to style manuals, research writing, and (as needed) publication. Prerequisite: ENG 249 or graduate standing. Also offered as ENG 349. Materials charge optional.

350 FLEXOGRAPHY**3 sem. hrs.**

Study of technology and management practices used in flexographic printing businesses. Lecture, lab, and field trips. Prerequisite: TEC 257; major/minor only or consent department advisor. Materials charge optional.

351 ADVANCED IMAGE TRANSFER SYSTEMS**3 sem. hrs.**

Advanced study of the printing processes, materials, and converting processes used in production of high volume print products. Lecture and field trips. Prerequisites: TEC 257; major/minor only or consent of department advisor. Materials charge optional.

352 ADVANCED PREPRESS TECHNOLOGY**3 sem. hrs.**

Utilization of advanced pre-press methods and technologies in the creation and management of print media. Lecture, labs, and field trips. Prerequisite: TEC 250; major/minor only or consent department advisor. Materials charge optional.

353 COLOR MANAGEMENT**3 sem. hrs.**

Study of color theory and measurement, device calibration and profiling, color reproduction variables, color proofing, and color management workflow. Lecture, labs, and field trips. Prerequisite: TEC 253; major/minor only or consent department advisor. Materials charge optional.

354 PRINT PRODUCTION PLANNING AND PROFITABILITY**3 sem. hrs.**

Printing production workflow analysis, cost estimating, scheduling, job costing, and profitability. Use of computer-assisted management software. Lecture. Prerequisite: TEC 257.

356 GRAPHIC COMMUNICATIONS BUSINESS PRACTICES**3 sem. hrs.**

Current management trends in the profession, with specific emphasis on production management and legal issues for graphic communication businesses. Lecture. Prerequisite: TEC 257.

358 DIGITAL MEDIA MANAGEMENT**3 sem. hrs.**

Study of Web publishing, digital asset management, variable data printing, and networking issues for graphic communications businesses. Lecture, labs, and field trips. Prerequisites: TEC 354 or 319; major/minor only or consent dept. advisor. Materials charge optional.

370 SUPPLY CHAIN LOGISTICS**3 sem. hrs.**

Supply chain networks for technology-based companies. Activities associated with transforming goods from raw materials through delivery to end user. Prerequisite: TEC 270 or concurrent registration; completion of 60 hours or graduate standing.

383 TELECOMMUNICATIONS TECHNOLOGY**3 sem. hrs.**

Interfacing computers locally and through telecommunications networks. Identification of existing standards and hardware and evaluation of specific interfacing needs. Lecture and lab. Prerequisite: TEC 243 or ITK 254; major/minor only or consent of department advisor. Materials charge optional.

390 INDUSTRIAL COMPUTER APPLICATIONS**3 sem. hrs.**

Development of managers and supervisors with technical and professional background in communications, networking, and interfacing, related to computer systems. Lecture and lab. Prerequisites: TEC 270; PHY 105; 9 senior hrs. of technical courses in Industrial Computer Systems sequence. Materials charge optional.

392 MANUFACTURING ORGANIZATION AND MANAGEMENT**3 sem. hrs.**

The study of industrial production systems including product, manufacturing, and plant engineering through the managing of a production project. Lecture and lab. Prerequisites: TEC 270; 9 senior hrs. of technical course work in the Integrated Manufacturing Systems Sequence; senior standing or consent of instructor. Materials charge optional.

394 CONSTRUCTION MANAGEMENT AND ADMINISTRATION**3 sem. hrs.**

Principles, practices, and standard documentation utilized in construction project management and administration. Lecture and lab. Prerequisites: TEC 226; TEC 325 or concurrent registration; TEC 398 or 800 hrs. documented construction experience; major/minor only or consent department advisor.

400 INDEPENDENT STUDY**1-4 sem. hrs.; Department recommends 3 sem. hrs.**

A maximum of six hours may be applied toward a master's degree. Intensive research study in an area of student's interest under a qualified member of the faculty. Each individual investigation is to culminate in a comprehensive written report and/or examination. Open only to graduate students who have completed considerable work in a degree program, who are in good standing, and who have demonstrated ability to profit from independent study. A written proposal approved by the faculty member, the student's adviser and the department chairperson is required prior to registration. May be repeated for a total of six hours. Prerequisites: TEC 349 and TEC 497.

404 SPECIAL PROJECTS IN INDUSTRIAL TECHNOLOGY**1-3 sem. hrs.**

Investigation of selected areas of industrial technology which may include laboratory work. Each individual investigation is to include a project and a comprehensive written report and/or examination. A written proposal approved by the faculty member, the student's adviser and the department chairperson is required prior to registration. May be repeated for a total of six hours. Prerequisites: TEC 349 and 497.

406 INSTRUCTIONAL PROGRAM DESIGN FOR INDUSTRIAL TRAINING**3 sem. hrs.**

Study and applications of the theories and methods used in the development of contemporary industrial training and industrial education curricula.

407 INSTRUCTIONAL PROGRAM DEVELOPMENT FOR INDUSTRIAL TRAINING**3 sem. hrs.**

Provides competencies required for identifying training objectives and implementing industrial training programs utilizing effective contemporary instructional and delivery methods. Prerequisite: TEC 406.

408 INSTRUCTIONAL PROGRAM IMPLEMENTATION AND EVALUATION FOR INDUSTRIAL TRAINING**3 sem. hrs.**

Provides competencies required for analyzing and evaluating industrial training workshops and programs by conducting process and product evaluations. Prerequisite: TEC 406.

420 FOUNDATIONS OF TECHNOLOGY EDUCATION**3 sem. hrs.**

Provides the student with a foundation for understanding technology education, drawing attention to the key constructs that guide the profession. Prerequisite: graduate standing.

421 INNOVATION IN TECHNOLOGY EDUCATION**3 sem. hrs.**

Study of contemporary trends and issues in technology education. Prerequisite: graduate standing.

422 TECHNOLOGY: PAST AND FUTURE**3 sem. hrs.**

History and nature of technology emphasizing the historical and contemporary interaction of technologies on humans and their cultures. Prerequisite: graduate standing.

430 PROJECT LEADERSHIP**3 sem. hrs.**

Principles, practices, and methods for providing leadership to work groups and teams engaged in the completion of complex projects.

431 PROJECT INITIATION AND PLANNING**3 sem. hrs.**

Project management principles and methods applied in project initiation, scope definition, planning and scheduling, and cost control. Prerequisite: TEC 430 or equivalent.

432 PROJECT IMPLEMENTATION AND CONTROL
3 sem. hrs.

Advanced concepts in project management including computerized scheduling and cost control, quality systems, risks management, procurement, and project termination. Prerequisite: TEC 431.

**445 STATISTICS IN APPLIED SCIENCE
AND TECHNOLOGY**
3 sem. hrs.

Descriptive and inferential statistics in the applied sciences; statistical analysis using microcomputer applications. Also offered as AGR/FCS/KNR 445.

**491 INTERNSHIP IN COLLEGE TEACHING IN
INDUSTRIAL EDUCATION**
3 sem. hrs.

(See Curriculum and Instruction 491.)

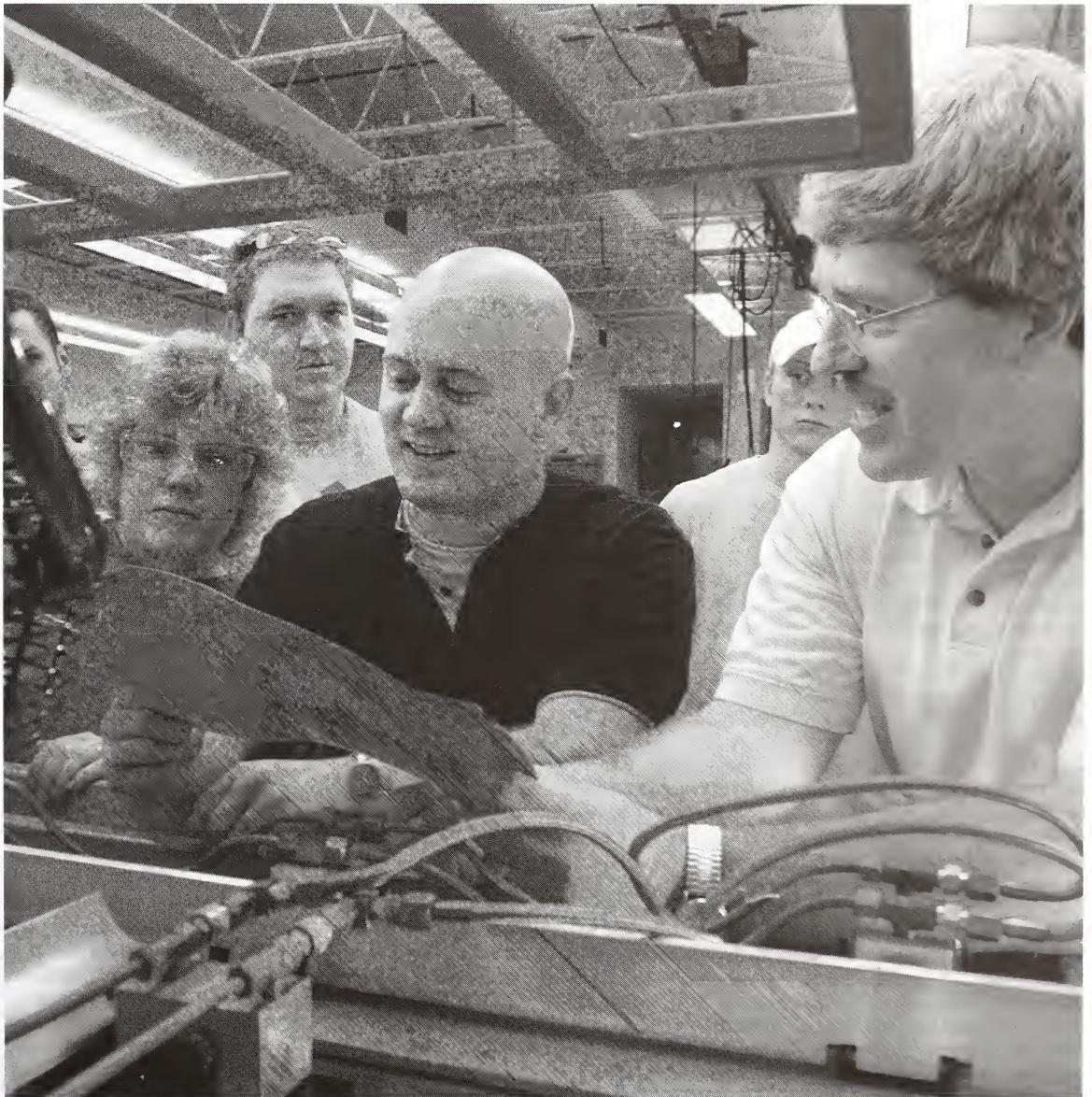
**497 INTRODUCTION TO RESEARCH
METHODOLOGY**
3 sem. hrs.

Selection of a research problem, collection of data, types of research, the research report and use of the library in connection with the research problem. Emphasis on understanding and interpreting frequently used statistical concepts. Provides a background for the preparation of the thesis. Prerequisites or co-requisites: three semester hours of statistics at the undergraduate or graduate level and TEC 349.

**498 PROFESSIONAL PRACTICE IN INDUSTRIAL
TECHNOLOGY**
1-8 sem. hrs.

Refer to Index for General Courses.

499 MASTER'S THESIS
1-6 sem. hrs.



COLLEGE OF ARTS AND SCIENCES

Dean: Gary A. Olson

141 Stevenson Hall
www.cas.ilstu.edu

The primary purpose of the College of Arts and Sciences is to provide a broadly based educational program in the liberal arts and sciences. The College includes the Departments of Chemistry; Communication Sciences and Disorders; Economics; English; Geography-Geology; History; Languages, Literatures, and Cultures; Mathematics; Philosophy; Physics; Politics and Government; Psychology; Sociology and Anthropology; and the Schools of Biological Sciences, Communication, and Social Work, as well as the program in Women's and Gender Studies. The College offers the core of the General Education program required of all undergraduates, a wide range of academic major and minor programs for meeting baccalaureate degree requirements, master's programs in most disciplines, and doctoral programs in Audiology, Biological Sciences, English Studies, Mathematics Education, and School Psychology. Course offerings span the humanities, social and behavioral sciences, mathematics, and natural sciences.

BIOLOGICAL SCIENCES (BSC)

210 Julian Hall, (309) 438-3669
www.bio.ilstu.edu

Chairperson: H. Tak Cheung. Office: Julian Hall 210.

Graduate Program Director: Alan Katz. Office: Felmley Science Annex 131.

Graduate Faculty: J. Armstrong, V. Borowicz, R. Bowden, D. Byers, A. Capparella, J. Casto, H. Cheung, M. Cook, K. Edwards, A. Eggert, P. Garriss, C. Gatto, R. Jayaswal, S. Juliano, A. Katz, J. Kramer, E. Larson, S. Loew, E. Mockford, C. Moore, N. Nichols, W. Nichols, A. Otsuka, W. Perry, R. Preston, W. Riddle, D. Rubin, S. Sakaluk, J. Sedbrook, C. Thompson, L. Vogel, C. Wang, D. Whitman, B. Wilkinson, D. Williams.

Biology-Chemistry Joint Appointments: M. Jones, S. Weldon.

University Regulations

In addition to the requirements of the individual graduate program, all students are subject to university regulations detailed in the front of the Graduate Catalog. Below is a summary of the most commonly referenced regulations. To locate full details of each regulation, use the index at the end of the catalog.

Academic Good Standing: A 3.00 minimum cumulative graduate GPA is required for graduation and for all courses and activities that require good academic standing.

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graduate credit. Courses numbered 399 and 429 may be taken for graduate credit but do not count toward a graduate degree.

Use of credit hours from the course group 393, 397, 400, 493, 498 toward a degree is limited. No more than 9 hours total from this group count toward the degree. No more than 6 of the 9 hours may come from 400. Review degree requirements and count previous hours taken from this group before enrolling, since once the limit is reached, no more hours from this group will apply toward the degree.

Use of thesis/dissertation hours toward a degree is limited.

Student-at-Large: Courses taken as a student-at-large do not count toward the degree unless recommended by the degree program. Limit of 12 hours.

Transfer of Credit: Transfer courses must meet university qualifications and be approved by the program and Graduate School. No transfer of the following: courses with grade lower than B, independent study, courses from non-accredited universities, courses used toward another degree, courses over six years old when student first registered for the ISU degree program. No transfer credit is counted toward 400-level hours requirement. Request for Transfer of Credit form is posted at www.grad.ilstu.edu/plans.

Time Limitations: Degree completion is subject to university time limitations. Students who do not meet the time limit may be required to retake courses.

Readmission of Former Students: A lapse in registration of one calendar year or more requires application for readmission to the university.

Continuous Registration: Thesis and dissertation students must maintain continuous registration. Students generally enroll in 499 Master's Thesis or 599 Doctoral Dissertation. Under certain circumstances 499.01, 499.90, 599.01, or 599.90 may be appropriate.

The School offers work leading to the M.S. and Ph.D. degrees. University requirements for these degrees are listed elsewhere in this catalog. All applicants are required to take the General Test of the Graduate Record Examination (GRE). Other school requirements are available from the Graduate Program Director and from the School's Web site at www.bio.ilstu.edu.

Master's in Biological Sciences

All master's degree students are required to complete a research thesis and 30 semester hours, which must include at least 2 semester hours of BSC 420 Seminar. The School will determine additional course work specific to each individual's plan of study. Students may design with advisors an individual plan of study or elect to pursue a sequence within the M.S. program in (1) Behavior, Ecology, Evolution, and Systematics (BEES), (2) Bioenergy Sciences, (3) Biomathematics, (4) Biotechnology, or (5) Conservation Biology, each of which includes specific requirements (see below). Students will graduate with an M.S. in Biological Sciences. Sequence titles appear on the transcript but not on the diploma.

Behavior, Ecology, Evolution, and Systematics (BEES):

Students may elect to pursue a sequence in Behavior, Ecology, Evolution, and Systematics, a course of study that provides students with a strong conceptual background in whole-organism biology. The sequence is designed to enhance students' understanding of the underlying concepts that unite research in the areas of behavior, ecology, evolution, and systematics while providing the opportunity for training in specific taxa and in subjects ranging from molecular and cellular biology to neurobiology, physiology, and advanced research techniques. In addition to 2 hours of BSC 420 and 4 hours of thesis (BSC 499), students are required to take 8 hours of sequence core courses (BSC 420.27, 462, 470, and 490) and 3 additional sequence courses (9-12 hours) chosen from BSC 325, 330, 335, 337, 375/376, 378/379, 403, 404, 405, 406, 471, 486, 488. Elective courses (2-7 hours) are selected through consultation among the major professor, the student's committee, and the student. For further information, see the School's Web site at www.bio.ilstu.edu.

Bioenergy Sciences:

Students may elect to pursue a sequence in Bioenergy Sciences, a course of study that provides students with a strong conceptual background in biological and environmental aspects of using and engineering plants and microbes for the production of bio-based fuels. Students successfully completing this sequence should be competitive for admission into Ph.D. programs and/or for acquiring bioenergy-related jobs in industry, non-profits, government agencies, or academia. Students can choose between a biotechnology-based track and an ecology/conservation biology-based track. In addition to 4 credit hours of thesis, students are required to take the following: For the Biotechnology-based track, BSC 353, 354, 365, 415 or 466, 419 or 467, 420.38, 420.xx (student's choice), 450, 7 hours of electives; for the Ecology/Conservation Biology-based track, BSC 365, 337 or 406, 404 or 405, 420.27, 420.38, 471, 490, 7 or 8 hours of electives. For further information, see the School's Web site at www.bio.ilstu.edu.

Biomathematics:

Students in the School of Biological Sciences may elect to pursue a sequence in Biomathematics, a course of study that provides students with a unique and strong cross-disciplinary training in biology and mathematics. The sequence is designed first to give students a solid foundation in mathematics (core courses), then training in one of two biological areas that use specific types of mathematical applications to address biological questions (emphases). Before entering the sequence, students should have two semesters of calculus and one semester of linear algebra. This is a 30-hour program including 2 hours of BSC 420.36 and 4 hours of thesis BSC 499. All students are required to take the sequence core courses of 20 hours (BSC 420.36, 499; MAT 340, 341, 350, and 351). Transfer credit can be offered for the core math classes provided that students take at least two courses from the Mathematics Department while at ISU. In addition, students will choose 14 hours of electives from two areas of emphasis, with a minimum of 12 hours from the School of Biological Sciences. A minimum of 13 hours outside of the core courses must be at the 400 level. The areas of emphasis and their courses are as follows: (1) Biological Statistics and Modeling, with a choice of courses from BSC 343, 402, 404, 405, 450.37, 471, 486, MAT 353, 356, 362, 378, 450, 453, 455, 456, 458; or (2) Computation & Bioinformatics, with a choice of courses from BSC 350, 353, 355, 415, 419, 467, 470, 471, MAT 356, 361, 363, 461. For further information, see the School's Web site at www.bio.ilstu.edu.

Biotechnology: Students may elect to pursue a sequence in Biotechnology, a discipline linking cell biology, molecular biology, biochemistry, neurobiology, genetics, microbiology, developmental biology, and immunology. The sequence is designed to enhance students' competency in the theoretical and applied aspects of biotechnology principles, techniques, and their application. In addition to the 2 hours of BSC 420, 4 hours of thesis, and 9 hours of electives, students are required to take 15 hours of sequence courses, to include: BSC 353, 354, 415 or 466, 419 or 467, and 450.45. For further information, see the School's Web site at www.bio.ilstu.edu.

Conservation Biology:

Students may elect to pursue a sequence in Conservation Biology, a discipline linking ecology, genetics and evolution, and systematics to applied problems in biodiversity preservation and ecosystem function and maintenance. Students are required to take 12 hours of sequence core courses (BSC 406, 420.29, 471, 490/420.27, 499) plus 1 hour of 420 chosen from 420.02, 420.03, or 420.28. Students are also required to take 17 hours of elective courses distributed across four groups (I-IV) of electives. Group I (Ecology): BSC 337, 375/376, 378/379, 403, 404, 405. Group II (Genetics and Evolution): BSC 470, 471, 488. Group III (Taxon Focus): BSC 301, 330, 334, 335/336, 396. Group IV (Other Electives): GEO 303, 304, 306.08, 325, 353, 368, 383, 486. For further information, see the School's Web site at www.bio.ilstu.edu.

Ph.D. in Biological Sciences

Students working toward the Ph.D. degree in Biological Sciences may pursue research in most of the major subdisciplines. The scholar-educator option in the Ph.D. program combines traditional training in research with formal training in university- and college-level teaching for those students planning a career in teaching and research at liberal arts colleges and comprehensive universities. Course work will include BSC 420-Seminar (4 semester hours). Doctoral students may design an individual plan of study in consultation with advisors, or they may elect to pursue a sequence within the Ph.D. program in (1) Behavior, Ecology, Evolution, and Systematics (BEES), or (2) Molecular and Cellular Biology, each of which includes specific requirements (see below). Students receive a Ph.D. in Biological Sciences. The sequence title appears on the transcript but not on the diploma. Most Ph.D. students take 30-40 semester hours (60-80 including research) while completing the degree.

Behavior, Ecology, Evolution, and Systematics (BEES):

Students pursuing the Ph.D. may elect to pursue a sequence in Behavior, Ecology, Evolution, and Systematics, a course of study that provides students with a strong conceptual background in whole-organism biology. The sequence is designed to enhance students' understanding of the underlying concepts that unite research in the areas of behavior, ecology, evolution, and systematics while providing the opportunity for training in specific taxa and in subjects ranging from molecular and cellular biology to neurobiology, physiology, and advanced research techniques. In addition to 4 hours of BSC 420 and 15 hours of dissertation (BSC 599), students are required to take 8 hours of sequence core courses (BSC 420.27, 462, 470, and 490) and 3 additional sequence courses (9-12 hours) chosen from BSC 325, 330, 335, 337, 375/376, 378/379, 403, 404, 405, 406, 471, 486, 488. Elective courses (unspecified hours) are selected through consultation among the major professor, the student's committee, and the student. For further information, see the School's Web site at www.bio.ilstu.edu.

Molecular and Cellular Biology: Students pursuing the Ph.D. may elect to pursue a sequence in Molecular and Cellular Biology. The sequence is designed to enhance the student's competency in molecular and cellular biology principles, techniques, and their application for becoming leaders in solving tomorrow's problems in molecular cell biology. In addition to 4 hours of BSC 420 and 15 hours of dissertation research (BSC 599), students are required to take 8 hours of core courses (BSC 415, 419, 420.37) and at least three graduate elective courses (9-12 hours). Elective courses will be selected from the area of the student's specialization and will be decided by the student in consultation with his/her advisor and /or student dissertation committee. Elective courses may be selected from among, but not limited to, the following representative courses: BSC 321, 325, 329, 330, 343, 345, 350, 353, 354, 355, 361, 367, 368, 383, 389.26, 411, 418, 466, 467, 470, 471, CHE 342, 343, 344, 440, 442, 444. For further information, see the School Web site at www.bio.ilstu.edu.

Biology Geographic Information Systems (GIS) Graduate Certificate

Graduate students in the School of Biological Sciences may elect to pursue a Biology Geographic Information Systems (GIS) Graduate Certificate. To earn the certificate, students must take GEO 303, 304, and 305.

Courses

301 ENTOMOLOGY

4 sem. hrs.

Biology and taxonomy of insects. Lecture, lab, and field trips. Prerequisites: BSC 196, 197, and 201. Materials charge optional.

306 REGIONAL AND AREA STUDIES

1-9 sem. hrs.

Intensive on-site studies of organisms and their environments. Prerequisite: Consent of instructor. Field work.

307 METHODS IN THE TEACHING OF BIOLOGY

2 or 3 sem. hrs. (See Biology teacher education adviser.)

Strategies, curricula, and materials applicable to teaching secondary school science. 35 hrs clinical experiences included, 4 hours, Type 1-6. Prerequisite: C&I 216 or equivalent, or concurrent registration. Not for graduate credit for biology students.

311 RAIN FOREST ECOLOGY

3 sem. hrs.

Introduction to the natural history and ecology of rain forests; intensive tropical field work and investigative learning. Foreign travel and field work required. Prerequisite: BSC 201 and consent of instructor. Formerly BSC 306.08.

325 ECOLOGICAL PHYSIOLOGY OF ANIMALS

3 sem. hrs.

Exploration of the physiological adaptations animals have evolved in response to habitat variation. Prerequisites: BSC 201 and 203.

329 HUMAN GENETICS

3 sem. hrs.

Detection, expression, transmission, and molecular manipulation of human traits; emphasis on medical genetics. Lecture. Prerequisite: BSC 203 and 219.

330 PHYCOLOGY

4 sem. hrs.

Origin, evolution, diversity, systematics, cell biology, biochemistry, physiology, and ecology of terrestrial, freshwater, and marine algae. Lecture and lab. Prerequisites: BSC 201, 203, or 219.

333 PLANT DIVERSITY

4 sem. hrs.

History and diversity of plants and other green organisms covering major events, groups of organisms, and their phylogenetic relationships. Lecture and lab. Prerequisites: BSC 201 and one 200-level botany course; or graduate standing. Formerly BSC 222.

335 PLANT TAXONOMY

3 sem. hrs.

Classification of flowering plants; taxonomic characters and data, patterns of diversity, and methods of classification; distinguishing characteristics of major taxa, names of major taxa, botanical nomenclature, and taxonomic reference tools. Prerequisite: BSC 222 or 223 and one of BSC 201, 203, 219.

336 LABORATORY IN

PLANT IDENTIFICATION

1 sem. hrs.

Plant identification; identification tools and methods; descriptive morphology and terminology; field identification of flowering plants and major plant families; specimen collection, documentation and curation. Prerequisite: BSC 335.

337 RESTORATION ECOLOGY

4 sem. hrs.

Study of the ecology, restoration, and management of native plant communities. Lecture and lab. Prerequisite: BSC 201 or equivalent or consent of instructor.

343 INTRODUCTION TO NEUROBIOLOGY

3 sem. hrs.

Cellular and molecular aspects of neuronal function; neurotransmitter families; central nervous system development, anatomy and function; and neuropathology. Prerequisite: BSC 203 or consent of instructor.

345 INTRODUCTION TO ENDOCRINOLOGY

3 sem. hrs.

Cellular and molecular coordination of tissues which secrete chemical compounds to regulate growth, reproduction, metabolism, and ion homeostasis. Prerequisite: BSC 203 or consent of instructor.

346 DEVELOPMENTAL BIOLOGY OF ANIMALS

3 sem. hrs.

Molecular mechanisms and pathways that regulate tissue patterning and morphogenesis during early animal development. Prerequisite: BSC 203 or consent of instructor; BSC 219 recommended.

350 MOLECULAR BIOLOGY

3 sem. hrs.

DNA structure and replication, the Genetic Code, transcription, translation, genetic regulation, RNA splicing, and transposons. Lecture. Prerequisites: BSC 203 and 219; CHE 220, or 230 and 231 required. CHE 242 or 342 recommended.

**353 BIOTECHNOLOGY LABORATORY I:
DNA TECHNIQUES**
3 sem. hrs.

Application and theory of molecular techniques using prokaryotic systems, including DNA and protein analysis, DNA cloning and bacterial genetics. Lecture and lab. Material charge optional. Prerequisites: BSC 203, 219, 260; CHE 220 or 230-232. CHE 242 or 342 recommended. Not for credit if had BSC 352.

**354 BIOTECHNOLOGY LABORATORY II:
CELL BIOLOGY TECHNIQUES**
3 sem. hrs.

Application and theory of cell biology to study eukaryotic systems using biochemistry, cell culture, and immunology techniques. Lecture and lab. Material charge optional. Prerequisites: BSC 203; CHE 220 or 230-232. CHE 242 or 342 recommended.

355 GENOMICS AND BIOFORMATICS
3 sem. hrs.

Concepts and practice of genome sequencing and analysis, postgenomic applications and bioinformatics. Prerequisite: BSC 203 and 219. Materials charge optional.

361 MICROBIAL PATHOGENS
4 sem. hrs.

Pathogenesis, identification, cultivation and classification of bacteria, viruses, fungi and animal parasites associated with diseases of man. Lecture and laboratory. Prerequisite: BSC 203 and 260. Materials charge optional.

**362 MICROBIAL ECOLOGY
AND EVOLUTION**
3 sem. hrs.

Ecological, evolutionary, and microbiological principles examined through the study of interaction of microbes with each other and with their environment. Lecture and laboratory. Prerequisite: BSC 260. Materials charge optional.

**365 BIOENERGY PLANT/MICROBE
BIOLOGY AND THE ENVIRONMENT**
3 sem. hrs.

Molecular, cellular, and organismal biology of microbes and plants as a source of alternate energy and associated global change. Prerequisite: BSC 201 or 203 or 219 or consent of instructor.

367 IMMUNOLOGY
4 sem. hrs.

Molecular, cellular, transplantation, and tumor immunology; antimicrobial immunity; immunochemistry. Lecture and laboratory. Prerequisites: BSC 203. Materials charge optional.

375 STREAM ECOLOGY LECTURE
3 sem. hrs.

Introduction to the structure and function of stream ecosystems examining hydrology, geomorphology, chemistry, and ecology of stream ecosystems. Prerequisites: BSC 196, 107, 201 or consent of instructor; and CHE 110 or equivalent.

**376 STREAM ECOLOGY
LABORATORY**
1 sem. hr.

The integration of the geology, chemistry, zoology, and ecology of flowing waters and their conservation and restoration. Prerequisite: BSC 196, 197, 201 or consent of instructor; CHE 110 or equivalent; and BSC 375 or concurrent registration. Materials charge optional.

378 LIMNOLOGY
3 sem. hrs.

Limnology is the study of inland waters and integrates ecology and chemistry to create a basic understanding of lakes. Prerequisites: BSC 196 and 197; CHE 110 or 140; BSC 201 or concurrent registration.

379 LIMNOLOGY LABORATORY
1 sem. hr.

Limnology Laboratory is a hands-on study of inland water sampling and an integration of ecology and chemistry for understanding lakes. Prerequisites: BSC 196 and 197; CHE 110 or 140; BSC 201 and 378, or concurrent registration.

383 PARASITOLOGY
4 sem. hrs.

Host-parasite relationships, life histories, and morphology of arthropod, helminth, and protozoan parasites of animals. Lecture and laboratory. Prerequisite: BSC 203 and 260. Materials charge optional.

396 AVIAN BIOLOGY
4 sem. hrs.

Origin, evolution, diversity, systematics, biogeography, morphology, physiology, ecology, behavior, and conservation biology of birds. Lecture, lab and field trips. Prerequisite: BSC 201.

400 INDEPENDENT STUDY
1-4 sem. hrs.

See General Course Offerings. May be repeated.

403 PLANT ECOLOGY
4 sem. hrs.

Community ecology, diversity, niche metrics, ordination, gradient analysis, succession, sampling techniques, pollination biology, and allelopathy. Lecture and laboratory. Prerequisite: BSC 201.

404 POPULATION ECOLOGY
4 sem. hrs.

Population regulation, competition, predator-prey relations, and evolution of life-history characteristics. Lecture and laboratory. Prerequisite: BSC 201.

405 COMMUNITY ECOLOGY
4 sem. hrs.

Diversity and stability of natural communities, niche theory, resource partitioning and species packing, coevolution of plants and animals. Lecture and laboratory. Prerequisite: BSC 201.

406 CONSERVATION BIOLOGY
3 sem. hrs.

Principles of conservation ecology, conservation genetics, and conservation systematics, with applications to biodiversity preservation and ecosystem function maintenance. Lecture. Prerequisites: BSC 201 and 219, or equivalent.

**411 CONFOCAL MICROSCOPY
IN BIOLOGY**
1 sem. hr.

Theory and practice of laser scanning confocal microscopic analysis of biological samples, including time-lapse and 3-D acquisition. Prerequisite: Consent of instructor.

415 ADVANCED CELL BIOLOGY I**3 sem. hrs.**

Analysis of structure and function of eukaryotic cells, including nuclear organization, membrane dynamics, protein trafficking, and signal transduction mechanisms. Lecture. Prerequisites: BSC 203 and 219 or equivalents; CHE 242 or 342 recommended.

418 BIOLOGICAL MICROSCOPY**4 sem. hrs.**

Theory and practice of scanning and transmission electron microscopy and advanced light microscopy, including specimen preparation and presentation of images. Lecture and lab. Prerequisite: Consent of instructor.

419 MOLECULAR BIOLOGY OF THE GENE**4 sem. hrs.**

The gene as a unit of structure, replication, function, mutation, recombination, and regulation. Lecture. Prerequisites: BSC 219 and 260, or consent of instructor.

420 GRADUATE SEMINAR IN BIOLOGY**1 sem. hr.**

Topics in various fields of biology. May be repeated for credit.

425 ADVANCED CELL BIOLOGY II**3 sem. hrs.**

Roles of cellular processes in development and disease, focusing on cell-cell communication pathways, cell adhesion systems, and the cytoskeleton. Lecture. Prerequisite: BSC 203 and 219 or equivalents; BSC 415 recommended.

450 ADVANCED STUDIES IN SPECIALIZED FIELDS**1-4 sem. hrs.**

Current advances in specialized fields of the biological sciences. May be repeated for credit in different fields. Prerequisite: Consent of instructor.

462 ANALYTICAL AND COMMUNICATION TOOLS FOR BIOLOGISTS**1 sem. hrs.**

Introduction to software and applications for biological research, data management, analysis, presentation, communication, and teaching. Prerequisite: Graduate standing or consent of instructor.

466 MICROBIAL PHYSIOLOGY**3 sem. hrs.**

Molecular and cellular aspects of microorganisms: growth, metabolism and its control, membrane and cell envelope structure and function, transport, chemotaxis, antibiotic action, adaptations to extreme environments. Lecture. Prerequisites: BSC 260 and CHE 242 or 342.

467 MICROBIAL GENETICS**4 sem. hrs.**

Inheritance and variation in bacteria and their viruses; recombination, regulation, gene transfer, and other genetic phenomena. Emphasis on molecular basis of microbial genetics. Lecture. Prerequisites: BSC 260 and 219.

470 EVOLUTION**3 sem. hrs.**

Origin of life, sources of genetic variation, molecular evolution, phylogenetic reconstruction, micro- and macroevolutionary processes. Lecture. Prerequisites: BSC 201, 219, and 297 or equivalent recommended.

471 EVOLUTIONARY POPULATION GENETICS**3 sem. hrs.**

Genetic dynamics and evolutionary consequences of nonrandom mating and spatial structure. Genetic basis and evolutionary dynamics of adaptation in populations. Lecture. Prerequisites: BSC 490 and 420.27 or equivalent.

486 ETHOLOGY**4 sem. hrs.**

Behavior of animals under natural conditions. Lecture and laboratory. Prerequisite: BSC 199, or consent of instructor.

488 SYSTEMATIC BIOLOGY**3 sem. hrs.**

Species concepts; infra- and supraspecific categories; geographic variation; phylogenetic reconstruction; molecular and morphological characters; evolutionary, phenetic, and cladistic classification; nomenclature. Lecture. Prerequisite: BSC 219 or equivalent.

490 BIOSTATISTICS**3 sem. hrs.**

Statistical techniques encountered in biological research with emphasis on proper use and interpretation of analyses. Lecture.

491 INTERNSHIP IN COLLEGE TEACHING IN BIOLOGICAL SCIENCES**3 sem. hrs.**

Credit for the course is given in Curriculum and Instruction (see C&I 491). Prerequisite: Consent of School Director.

495 GRADUATE RESEARCH IN BIOLOGICAL SCIENCES**1-3 sem. hrs.**

Field and/or laboratory research in one of the biological sciences involving a participation in the scientific process with faculty and other graduate students with the purpose of conducting independent research and/or developing additional research skills and technical expertise. Prerequisite: Project proposals must be approved by a supervising faculty member, the student's graduate advisor (if in the thesis program), and chair of the graduate studies prior to reg. Students are expected to work on average a minimum of 3 hrs. per week for each hour of credit. May be repeated; max of 4 hours may be counted toward degree req.

499 MASTER'S THESIS**1-6 sem. hrs.****599 DISSERTATION RESEARCH (Ph.D.)****Variable credit**

CHEMISTRY (CHE)

214 Julian Hall, (309) 438-7661
www.che.ilstu.edu

Chairperson: Clifford Dykstra. Office: Julian Hall 214.

Graduate Program Director: John Hansen.

Graduate Faculty: J. Baur, D. Cedeno, C. Dykstra, G. Ferrence, J. Friesen, C. Hamaker, J. Hansen, S. Hitchcock, W. Hunter, M. Jones, T. Lash, C. McLauchlan, C. Mulligan, R. Nagorski, S. Peters, R. Quandt, C. F. Shaw, J. Standard, L. Szczepura, S. Weldon.

University Regulations

In addition to the requirements of the individual graduate program, all students are subject to university regulations detailed in the front of the Graduate Catalog. Below is a summary of the most commonly referenced regulations. To locate full details of each regulation, use the index at the end of the catalog.

Academic Good Standing: A 3.00 minimum cumulative graduate GPA is required for graduation and for all courses and activities that require good academic standing.

Course Numbering System, Course Offerings: Some 300- and 400-level courses will not count toward graduate degrees. Any 300-level courses not listed in the Graduate Catalog are undergraduate credit only and are not available for graduate credit. Courses numbered 399 and 429 may be taken for graduate credit but do not count toward a graduate degree.

Use of credit hours from the course group 393, 397, 400, 493, 498 toward a degree is limited. No more than 9 hours total from this group count toward the degree. No more than 6 of the 9 hours may come from 400. Review degree requirements and count previous hours taken from this group before enrolling, since once the limit is reached, no more hours from this group will apply toward the degree.

Use of thesis/dissertation hours toward a degree is limited.

Student-at-Large: Courses taken as a student-at-large do not count toward the degree unless recommended by the degree program. Limit of 12 hours.

Transfer of Credit: Transfer courses must meet university qualifications and be approved by the program and Graduate School. No transfer of the following: courses with grade lower than B, independent study, courses from non-accredited universities, courses used toward another degree, courses over six years old when student first registered for the ISU degree program. No transfer credit is counted toward 400-level hours requirement. Request for Transfer of Credit form is posted at www.grad.ilstu.edu/plans.

Time Limitations: Degree completion is subject to university time limitations. Students who do not meet the time limit may be required to retake courses.

Readmission of Former Students: A lapse in registration of one calendar year or more requires application for readmission to the university.

Continuous Registration: Thesis and dissertation students must maintain continuous registration. Students generally enroll in 499 Master's Thesis or 599 Doctoral Dissertation. Under certain circumstances 499.01, 499.90, 599.01, or 599.90 may be appropriate.

Master's Degree in Chemistry

The department offers a single, thesis-based M.S. degree requiring 32 credit hours. Four formal hours each in Chemistry 490 (Research) and Chemistry 499 (Thesis) are required as part of the 32 hour program, although most students will register for more than the total of eight formal hours while pursuing the degree. Students select a research adviser and work closely with that faculty member to complete a thesis based upon original research. Upon completion of a written thesis, a final oral examination/thesis defense is required.

The program is broad-based. It allows students to specialize in any of the subdisciplines (physical, organic, inorganic, analytical, biochemistry, or chemical education), although course work is required in at least four areas. The requirements to complete the M.S. degree include 22 hours of 400 and/or 300 level courses including a minimum of 12 credit hours of courses at the 400 level. Two hours of credit in Seminar (Chemistry 492) are also required.

Admission Requirements

To be admitted to the master's program a student must have at least a 2.8 GPA (on a scale in which A equals 4) for the last 60 hours of undergraduate work. The Department considers GRE scores for granting assistantships. Scores on the general section of the GRE exam will be considered in evaluating applications for admission and financial support; the GRE requirement may be waived at the discretion of the Department of Chemistry. Scores on the TOEFL exam are required for applicants whose first language is not English.

Courses

The only 300-level chemistry courses available for graduate credit are those listed in the graduate catalog. Other 300-level chemistry courses are available for undergraduate credit only and may not be used in the plan of study for the graduate degree in chemistry.

315 INSTRUMENTAL ANALYSIS

3 sem. hrs.

Emphasis on modern instrumental methods of chemical analysis including electroanalytical, optical, and chromatographic methods. Lecture and lab. Prerequisites: CHE 215 (with C or better if CHE major); and CHE 362 or concurrent registration. Materials charge optional.

318 METHODS OF COMPUTATIONAL SCIENCE

3 sem. hrs.

Introduction to a wide variety of computational techniques and their application to problems in chemistry and physics. Prerequisites: C or better in CHE 140; ITK 165; PHY 109 or 111; and C or better in CHE 360 or concurrent registration, or PHY 220, or consent of instructor.

342 GENERAL BIOCHEMISTRY I

3 sem. hrs.

Survey of the structure-function relationships of proteins, carbohydrates, lipids and nucleic acids, dynamic equilibria, energetics, reaction kinetics/mechanisms and metabolism. Prerequisites: C or better in CHE 232 or 1 year of organic chemistry or consent of instructor. Not for credit if had CHE 242.

343 BIOCHEMISTRY LABORATORY**2 sem. hrs.**

Application of biochemical principles and methods discussed in companion course, CHE 342. Prerequisite: CHE 342, or concurrent registration, or CHE 242. Lecture and laboratory. Materials and locker charge optional.

344 GENERAL BIOCHEMISTRY II**3 sem. hrs.**

Survey of important aspects of intermediary metabolism, metabolic regulation, membrane transport, and bioenergetics. Topics will include hormonal controls and immunochemical response. Prerequisite: B or better in CHE 242 or C or better in CHE 342.

350 INORGANIC CHEMISTRY**3 sem. hrs.**

Survey of modern inorganic chemistry including structure of inorganic compounds, coordination chemistry, non-aqueous solvents, and selected inorganic reactions. Prerequisite: CHE 362 (with C or better if CHE major).

351 INORGANIC CHEMISTRY LABORATORY**1 sem. hr.**

Experiences in the modern techniques of synthesis and quantitative characterization of inorganic materials. Specific experiments and techniques may vary but will generally include spectroscopic, microscopic, electrochemical, conductivity, magnetic susceptibility, thermal and vacuum line techniques and experiments. Prerequisite: CHE 350 or concurrent registration. Materials charge optional.

380 TOPICS IN CONTEMPORARY CHEMISTRY**1-3 sem. hrs.**

New concepts and recent developments in the fields of chemical education, organic, inorganic, analytical, physical, and biochemistry. Prerequisite: CHE 232; certain topics may require CHE 360. May be repeated.

412 TOPICS IN ANALYTICAL CHEMISTRY**1-3 sem. hrs.**

Advanced study in selected areas of modern analytical chemistry. Course may be repeated for credit. Prerequisite: CHE 315.

414 CHEMICAL SEPARATIONS**2 sem. hrs.**

A study of the fundamental and practical aspects of separation methods including solvent extraction, chromatography, and exclusion processes. Prerequisite: CHE 315 or equivalent.

422 MECHANISMS IN ORGANIC CHEMISTRY**3 sem. hrs.**

A critical examination of nucleophilic, electrophilic, and free radical reaction mechanisms including the study of the stability and reactivity of carbanions, carbocations and carbenes. Prerequisites: CHE 232 and credit or registration in 360.

424 TOPICS IN ORGANIC CHEMISTRY**1-3 sem. hrs.**

Lectures in selected topics of modern organic chemistry. Course may be repeated for credit. Prerequisite: CHE 232 or equivalent.

426 ORGANIC SYNTHESIS**3 sem. hrs.**

Survey of stereoselective carbon-carbon single and double bond formation, functional group interconversion, multi-step synthetic strategies and an introduction into enantioselective reactions. Prerequisite: CHE 232 or equivalent.

428 HETEROCYCLES**3 sem. hrs.**

Advanced study of the major classes of heterocyclic compounds; includes detailed discussion of aromaticity, conformational analysis, ring synthesis, reactions and nomenclature.

432 LEADERSHIP IN CHEMISTRY EDUCATION**1-3 sem. hrs.**

Advanced study in theories of leadership, advanced ideas of teaching chemistry, and helping others to learn constructivist chemistry teaching techniques. Prerequisite: CHE 301 or equivalent.

433 DEVELOPING PRACTICES IN CHEMISTRY EDUCATION**1-3 sem. hrs.**

Advanced study for chemistry education leaders in developing opportunities for helping others to learn chemistry teaching techniques. Prerequisite: CHE 432 or equivalent. May be repeated for maximum of 8 credit hours.

440 TOPICS IN BIOCHEMISTRY**1-3 sem. hrs.**

Advanced study in selected areas of biochemistry. May be repeated for credit in consecutive semesters as different topics are introduced. Prerequisite: One semester of biochemistry. May be repeated.

442 PROTEINS**3 sem. hrs.**

Chemical forces governing overall protein structure as related to biological function. Methods of protein purification and structural analysis are examined. Prerequisite: CHE 242 or 342 or equivalent.

444 LIPIDS**3 sem. hrs.**

A survey of lipids: structures, functions, intermediary metabolism, metabolic regulation, and techniques used to isolate, characterize and quantitate lipids. Prerequisites: CHE 342 or 242 required. CHE 344 recommended.

454 TOPICS IN INORGANIC CHEMISTRY**1-3 sem. hrs.**

Advanced study in selected areas of modern inorganic chemistry. Prerequisite: CHE 350. May be repeated.

456 COORDINATION CHEMISTRY**2-3 sem. hrs.**

Coordination chemistry is the study of metal complexes; their preparation, physical and spectral characterization, kinetics and mechanisms of reactions, and stability.

460 QUANTUM CHEMISTRY**3 sem. hrs.**

An introduction to the methods of obtaining exact and approximate solutions to the Schroedinger equation, and the use of these solutions in the description of atomic and molecular systems. Prerequisites: CHE 362 and MAT 175. MAT 340 is also recommended.

462 INTRODUCTION TO STATISTICAL THERMODYNAMICS**3 sem. hrs.**

An introduction to the methods and theorems of statistical mechanics, its relationship to chemical thermodynamics, and application to molecular models of chemical interest. Prerequisite: CHE 362.

464 KINETICS AND DYNAMICS**3 sem. hrs.**

Advanced study of kinetics and dynamics. Topics range from basic kinetics to transition state theory, with an emphasis on modern techniques. Prerequisite: CHE 362.

466 TOPICS IN PHYSICAL CHEMISTRY**1-3 sem. hrs.**

Advanced study in selected areas of modern physical chemistry. Course may be repeated for credit. Prerequisite: CHE 362.

490 RESEARCH IN CHEMISTRY**Variable credit**

Research involving the gathering of data to form the basis for the thesis. Open only to advanced graduate students. The course can be repeated for credit. Approval of the chairperson of the department is required. No more than four hours may be used on a plan of study to meet degree requirements.

492 SEMINAR IN CHEMISTRY**1 sem. hr.**

Survey of current work in chemistry both in pure research and in the application of newer theories of chemistry to the teaching of chemistry at the secondary and college levels. May be repeated for a total of two semester hours.

498 PROFESSIONAL PRACTICE IN CHEMISTRY**1-12 sem. hrs.**

Provides graduate students with the opportunity to obtain supervised work experience in chemistry. Available as 498.50 Co-op in Chemistry. Practical experience by employment in an industrial or government laboratory. Graduate students must have completed at least one semester of graduate courses (minimum GPA of 3.0) before the first off-campus assignment is made. No more than 2 credit hours of 498.50 can be counted towards the 22 hour coursework requirement for the degree. If this course is taken for credit only (CR), it may not be used on a plan of study towards degree requirements. No credit can be awarded toward the 12 hour 400-level course requirement for the degree.

499 MASTER'S THESIS**1-6 sem. hrs.**

No more than four hours may be used on a plan of study to meet degree requirements.

Academic Good Standing: A 3.00 minimum cumulative graduate GPA is required for graduation and for all courses and activities that require good academic standing.

Course Numbering System, Course Offerings: Some 300- and 400-level courses will not count toward graduate degrees. Any 300-level courses not listed in the Graduate Catalog are undergraduate credit only and are not available for graduate credit. Courses numbered 399 and 429 may be taken for graduate credit but do not count toward a graduate degree.

Use of credit hours from the course group 393, 397, 400, 493, 498 toward a degree is limited. No more than 9 hours total from this group count toward the degree. No more than 6 of the 9 hours may come from 400. Review degree requirements and count previous hours taken from this group before enrolling, since once the limit is reached, no more hours from this group will apply toward the degree.

Use of thesis/dissertation hours toward a degree is limited.

Student-at-Large: Courses taken as a student-at-large do not count toward the degree unless recommended by the degree program. Limit of 12 hours.

Transfer of Credit: Transfer courses must meet university qualifications and be approved by the program and Graduate School. No transfer of the following: courses with grade lower than B, independent study, courses from non-accredited universities, courses used toward another degree, courses over six years old when student first registered for the ISU degree program. No transfer credit is counted toward 400-level hours requirement. Request for Transfer of Credit form is posted at www.grad.ilstu.edu/plans.

Time Limitations: Degree completion is subject to university time limitations. Students who do not meet the time limit may be required to retake courses.

Readmission of Former Students: A lapse in registration of one calendar year or more requires application for readmission to the university.

Continuous Registration: Thesis and dissertation students must maintain continuous registration. Students generally enroll in 499 Master's Thesis or 599 Doctoral Dissertation. Under certain circumstances 499.01, 499.90, 599.01, or 599.90 may be appropriate.

The School of Communication offers work leading to the M.A. and M.S. degrees in Communication.

Admission Requirements

To be considered for admission to the master's degree program in Communication, an applicant must have a minimum GPA of 3.0 for the last 60 hours of course work completed. OR have a combined Verbal and Quantitative score on the Graduate Record Examination (GRE) of at least 1000 (if taken before fall 2007). International students are additionally required to obtain a minimum TOEFL score of 600 to be considered for admission to the degree program. In addition to submitting the Graduate School admission application and required transcripts, applicants must (1) complete the School of Communication's admission application (available on-line at the School's Web site), (2) submit a letter that describes their backgrounds, interests, and objectives, and (3) arrange to have three letters of recommendation forwarded to the School of Communication. Contact information is available at the School of Communication Web site.

COMMUNICATION (COM)

434 Fell Hall, (309) 438-3671
www.communication.ilstu.edu

Director: Larry W. Long. Office: Fell 434

Graduate Program Director: Mark E. Comadena.

Graduate Faculty: J. Baldwin, J. Blaney, I. Botero, P. Chidester, M. Comadena, J. Courtright, B. Cupach, T. Fediuk, J. Glascock, S. Hunt, J. Kang, L. Lippert, L. Long, J. McHale, S. Metts, M. Moffitt, M. Moore, P. O'Sullivan, S. Perry, B. Simonds, C. Simonds, P. Smudde, J. Zompetti.

University Regulations

In addition to the requirements of the individual graduate program, all students are subject to university regulations detailed in the front of the Graduate Catalog. Below is a summary of the most commonly referenced regulations. To locate full details of each regulation, use the index at the end of the catalog.

Program Requirements

OPTION I: A minimum of 32 hours of credit, including completion of a master's thesis. Two courses are required: COM 422 and COM 497. The remaining courses are selected by the student and advisor. At least 15 hours must be completed at the 400 level (excluding COM 498 and COM 499).

OPTION II: A minimum of 39 hours of credit and one revised seminar paper or seminar project. Two courses are required: COM 422 and COM 497. The remaining courses are selected by the student and advisor. At least 27 hours must be completed at the 400 level (excluding COM 498). No more than three hours of COM 400 may be applied toward the 27 400-level hours required. A revised seminar paper or seminar project must be submitted to the graduate advisor by the middle of the student's last semester.

Graduate Assistantship Requirements

Graduate assistants in the School of Communication are trained to teach an inner-core communication course (COM 110/Language and Communication) in our General Education program. This course is required of all first-year students. Individuals interested in a graduate assistantship must submit, in addition to the application materials identified above, a brief narrative (no more than one page) that outlines their views of the nature of teaching and learning.

Courses

**303 CONTROVERSY AND
CONTEMPORARY SOCIETY**
3 sem. hrs.

Contemporary communication on current, significant, controversial issues. Prerequisite: COM 111.

304 FREEDOM OF SPEECH AND PRESS
3 sem. hrs.

A study of First Amendment rights. Emphasis on Supreme Court decisions relating to political dissent, obscenity, provocation and demonstration, and press freedom. Prerequisite: COM 111.

312 BROADCAST HISTORY
3 sem. hrs.

In-depth exploration of the origins of broadcast media including the people, industries, technologies, and government policies influencing media. Prerequisite: COM 160.

317 DIGITAL POST PRODUCTION
3 sem. hrs.

Theory, aesthetics, and technical skills required for professional level non-linear film/video editing. Prerequisites: COM 101, 160, 161, and 163. Materials fee optional.

**318 SOCIAL DYNAMICS OF
COMMUNICATION TECHNOLOGIES**
3 sem. hrs.

Examination of social dynamics of mediated communication, emphasizing implications of new communication technologies for social institutions and social change. Prerequisite: COM 218 or consent of instructor.

319 INTERACTIVE MEDIA DESIGN & AUTHORING
3 sem. hrs.

Designing and authoring interactive media for online and packaged distribution. Students produce digital portfolios of media projects from their academic career. Lecture. Prerequisites: COM 111, 160, 161, 163, and 317. Materials charge optional.

**320 MASS MEDIA: CULTURAL CRITICISM
AND PROBLEMS**
3 sem. hrs.

Critiquing mass media's influence on cultural and economic life and its influence on public policy and social change. Prerequisites: COM 101, 111, and 160. Formerly COM 260.

**321 CAMPAIGN COMMUNICATION AND
MESSAGE DESIGN**
3 sem. hrs.

Application of theory and research to campaign strategy and message design. Emphasis: Ethical, informative, and persuasive messages in commercial, political, and social issue campaigns. Prerequisite: COM 111.

**323 THEORY AND RESEARCH IN SMALL
GROUP COMMUNICATION**
3 sem. hrs.

Theoretical and experimental literature dealing with small group communication processes. Prerequisite: COM 111 and 297.

**324 THEORY AND RESEARCH
IN PERSUASION**
3 sem. hrs.

A survey of contemporary theoretical and empirical literature dealing with the question of how an individual's attitudes, beliefs, and social behaviors are affected by communication. Prerequisite: COM 111 and 297.

**325 THEORY AND RESEARCH IN
INTERPERSONAL COMMUNICATION**
3 sem. hrs.

Analysis of interpersonal communication research and its implications for developing, maintaining, and terminating relationships. Focus on developing communicative competence. Prerequisite: COM 111 and 297.

328 NEGOTIATION
3 sem. hrs.

Overview of theory and practice of negotiation. Experience in applying strategies to negotiate effectively and ethically. Prerequisite: COM 111 and 297, or consent of instructor.

329 ORGANIZATIONAL COMMUNICATION
3 sem. hrs.

An examination of theoretical and experimental literature dealing with communication in an organizational setting. Prerequisite: COM 111.

**331 HUMAN COMMUNICATION AND THE
AGING PROCESS**
3 sem. hrs.

An examination of the particular communication needs of the aging and current research in the field. Prerequisite: COM 111 or SOC 211.

350 PUBLIC OPINION ISSUES
3 sem. hrs.

Contemporary conceptions of public opinion and the processes of opinion creation, maintenance, and expression through communication. Prerequisites: COM 111 and 297.

351 ADVANCED WRITING FOR MASS MEDIA
3 sem. hrs.

Writing for long form mass media, including documentaries, features, dramas, and comedies. Prerequisites: COM 160 and 161.

355 INTERNATIONAL PUBLIC RELATIONS
3 sem. hrs.

Theory and research related to the practice of public relations across cultural and national boundaries. Application of theory to practical problems. Prerequisites: COM 111 and 178 or consent of instructor.

**360 MASS COMMUNICATION:
THEORY AND EFFECTS**
3 sem. hrs.

A critical examination of channel and receiver variables and their effects on the act of moving information through a given medium. Students participate in at least one research project of their design. Prerequisite: COM 111, 160, and 260.

**361 REGULATION OF THE
COMMUNICATION INDUSTRY**
3 sem. hrs.

The legal background of mass media, specific laws affecting media operations and industry efforts at self regulation. Prerequisite: COM 111 and 160.

362 NON-BROADCAST TELEVISION
3 sem. hrs.

Television as a means of instruction in terms of research, technique, utilization, and evaluation. Lecture and lab. Prerequisite: COM 111.

364 BROADCAST MANAGEMENT
3 sem. hrs.

The role and functions of broadcast media managers in society. Prerequisites: COM 111 and 160.

365 NEWSPAPER DESIGN AND GRAPHICS
3 sem. hrs.

Fundamentals of newspaper layout, design, and graphics. Lecture and lab. Prerequisite: COM 240. Materials charge optional.

366 WEB PRODUCTION AND DESIGN
3 sem. hrs.

Design fundamentals and technical skills for Web page production. Lecture and lab. Prerequisite: COM 240. Materials charge optional.

**367 ETHICAL PROBLEMS IN MASS
COMMUNICATION**
3 sem. hrs.

Analysis of ethical problems in news, entertainment, and persuasive media. Students develop analytical skills using cases and research projects. Prerequisites: COM 111; or consent of instructor.

**369 INTERNATIONAL
COMMUNICATION SYSTEMS**
3 sem. hrs.

Examination of mass communication systems employed in foreign countries, their role in national, social and cultural development. Prerequisite: COM 111.

370 PSYCHOLOGY OF LANGUAGE
3 sem. hrs.

Theories and experimental research relating to the development and functions of language. Prerequisite: COM 111 and 297.

371 POLITICAL COMMUNICATION
3-4 sem. hrs.

Basic theory and research relating to political campaign communication. Special attention is paid to the persuasive process of political campaigning focusing upon the role of the media, the candidate, image creation, and other selected topics on political campaign communication. Prerequisite: COM 111; 6 hrs. COM or 6 hrs. POL recommended.

**372 THEORY AND RESEARCH IN
INTERCULTURAL COMMUNICATION**
3 sem. hrs.

Theories and research relating to face-to-face communication among people from different cultural, national, ethnic, or racial backgrounds. Prerequisites: COM 111, 272, and 297, or consent of instructor.

375 COMMUNICATION AND LEADERSHIP
3 sem. hrs.

Survey of theory and research dealing with how the different approaches to leadership are enacted through the process of communication. Prerequisite: COM 297. Not for credit if had COM 389.56.

**381 PROBLEMS IN THE TEACHING
OF COMMUNICATION**
3 sem. hrs.

Identification of common and unique problems in teaching communication concepts and skills. Approaches to resolving classroom problems. Clinical hours available. Prerequisites: C or better in C&I 214, 215, 216; and PSY 215 (6 hrs.) or concurrent registration.

385 EDITORIAL AND FEATURE WRITING
3 sem. hrs.

Advanced training in writing feature articles and editorials for newspapers and magazines. Prerequisites: COM 111, 165, and 265.

**392 TOPICS IN COMMUNICATION
INSTRUCTION**
1 sem. hr.

Identification and development of new instructional content, approaches, strategies, and materials for selected oral communication concepts in educational and business classrooms.

**418 FOUNDATIONS OF MEDIATED
COMMUNICATION**
3 sem. hrs.

Review of theories and research addressing mediated communication across levels of analysis and in multiple contexts emphasizing applications and critiques. May be repeated.

422 PROSEMINAR IN COMMUNICATION
3 sem. hrs.

Introduction to theory, empirical research, and methods in communication. Includes units on the process of communication and a survey of theory and research in the following areas: language, nonverbal, interpersonal, small group, rhetorical theory, persuasion, and mass communication. Must be taken by first year graduate students.

424 SEMINAR IN PERSUASION
3 sem. hrs.

The examination of selected areas of theory and research in persuasion. Prerequisite: COM 324, or consent of instructor. May be repeated.

425 SEMINAR IN NONVERBAL COMMUNICATION
3 sem. hrs.

Advanced study of the elements and functions of nonverbal communication in human interaction. Prerequisite: COM 225 or its equivalent recommended. May be repeated.

433 SEMINAR IN LEADERSHIP COMMUNICATION
3 sem. hrs.

Theories and practices of leadership communication in various organizational contexts. Considers role of leadership communication in establishing relationships, managing communication, and influencing change. May be repeated.

435 COMMUNICATION TRAINING & DEVELOPMENT
3 sem. hrs.

Involves identification of instructional problems; analysis of resources and alternatives; and design of effective solutions with emphasis on communication programs for training and development. May be repeated.

436 MESSAGE DESIGN
3 sem. hrs.

Planning and designing mediated messages. Concepts developed are applied to the production and evaluation of a selected design problem. May be repeated.

460 SEMINAR IN MASS COMMUNICATION
3 sem. hrs.

Advanced examination of selected areas of theory and research in mass communication. Prerequisite: COM 360 or consent of instructor. May be repeated.

462 SEMINAR IN CRITICAL STUDIES IN MASS COMMUNICATION
3 sem. hrs.

Examination of theory and research in criticism of mass communication texts, genres, and institutions. Practice in writing media criticism. May be repeated.

463 SEMINAR IN MASS MEDIA EFFECTS
3 sem. hrs.

Examines theory and research on mass media effects from a social science perspective. Students develop individual or group research projects. Prerequisite: Consent of instructor. Some background in research methods (e.g., COM 297) is strongly recommended. May be repeated.

472 SEMINAR IN INTERCULTURAL/ INTERETHNIC COMMUNICATION
3 sem. hrs.

Research and theory regarding culture, "race," and ethnicity as these relate to communication, including verbal/nonverbal differences, cultural adjustment, conflict resolution, and communication of intolerance. Prerequisites: COM 422 and 497, or consent of instructor. May be repeated.

473 SEMINAR IN QUALITATIVE COMMUNICATION RESEARCH
3 sem. hrs.

Introduction to qualitative research methods including open-ended questionnaire, in-depth interview, conversation/discourse analysis, rhetorical research, media analysis, and ethnography of communication. Prerequisites: COM 422 and 497, or consent of instructor. May be repeated.

474 SEMINAR IN INTERPERSONAL COMMUNICATION
3 sem. hrs.

Advanced examination of selected areas of theory and research in interpersonal communication. Prerequisite: Consent of instructor. May be repeated if content different for maximum 6 credit hours.

475 SEMINAR IN PUBLIC RELATIONS
3 sem. hrs.

Advanced examination of selected areas of theory and research in public relations and recent developments in the public relations profession. Prerequisite: Consent of instructor. May be repeated if content different.

478 SEMINAR IN PUBLIC RELATIONS RESEARCH: CASE STUDIES
3 sem. hrs.

Application of communication theory to the analysis of public relations problems through the use of student-conducted case studies. Prerequisites: COM 422 and 497. May be repeated.

481 SEMINAR IN COMMUNICATION EDUCATION
3 sem. hrs.

Examination of recent developments in theory and research in communication education. May be repeated.

485 SEMINAR IN APPLIED COMMUNICATION
3 sem. hrs.

Application of communication theories to practical organizational or social problems. Prerequisites: COM 422 and 497 or consent of instructor. May be repeated.

491 INTERNSHIP IN COLLEGE TEACHING IN COMMUNICATION
3 sem. hrs.

Credit for the course is given in C&I. (See C&I 491.)

492 SEMINAR IN COMMUNICATION THEORY
3 sem. hrs.

Advanced examination of selected areas of communication theory. Prerequisite: Consent of instructor. May be repeated.

494 SEMINAR IN SMALL GROUP COMMUNICATION
3 sem. hrs.

Advanced examination of selected areas of theory and research in small group communication. Prerequisite: Consent of instructor. May be repeated.

495 SEMINAR IN ORGANIZATIONAL COMMUNICATION
3 sem. hrs.

Advanced examination of selected areas of theory and research in organizational communication. Prerequisite: Consent of instructor. May be repeated.

496 SEMINAR IN RHETORICAL THEORY
3 sem. hrs.

Advanced examination of selected theories of rhetorical communication. Prerequisite: Consent of instructor. May be repeated.

**497 INTRODUCTION TO RESEARCH
METHODOLOGY****3 sem. hrs.**

Introduction to methods of scholarly research and the critical evaluation of research in communication. Must be taken by first year graduate students.

**498 PROFESSIONAL PRACTICE IN
COMMUNICATION****9 hrs. maximum.**

Refer to Index for General Courses.

499 MASTER'S THESIS**1-6 sem. hrs.**

COMMUNICATION SCIENCES AND DISORDERS (CSD)

204 Fairchild Hall, (309) 438-8643
www.csdilstu.edu

Chairperson: Joseph Smaldino. Office: Fairchild Hall 204.

Graduate Program Director: Heidi Verticchio.

Graduate Faculty: R. Bailey, A. Beck, A. Bowman, J. Friberg, H. Harbers, I. Kim, S. Kimball, T. McNamara, J. Perry, S. Prendergast, K. Pyle, J. Sawyer, J. Smaldino, W. Smoski.

University Regulations

In addition to the requirements of the individual graduate program, all students are subject to university regulations detailed in the front of the Graduate Catalog. Below is a summary of the most commonly referenced regulations. To locate full details of each regulation, use the index at the end of the catalog.

Academic Good Standing: A 3.00 minimum cumulative graduate GPA is required for graduation and for all courses and activities that require good academic standing.

Course Numbering System, Course Offerings: Some 300- and 400-level courses will not count toward graduate degrees. Any 300-level courses not listed in the Graduate Catalog are undergraduate credit only and are not available for graduate credit. Courses numbered 399 and 429 may be taken for graduate credit but do not count toward a graduate degree.

Use of credit hours from the course group 393, 397, 400, 493, 498 toward a degree is limited. No more than 9 hours total from this group count toward the degree. No more than 6 of the 9 hours may come from 400. Review degree requirements and count previous hours taken from this group before enrolling, since once the limit is reached, no more hours from this group will apply toward the degree.

Use of thesis/dissertation hours toward a degree is limited.

Student-at-Large: Courses taken as a student-at-large do not count toward the degree unless recommended by the degree program. Limit of 12 hours.

Transfer of Credit: Transfer courses must meet university qualifications and be approved by the program and Graduate School. No transfer of the following: courses with grade lower than B, independent study,

courses from non-accredited universities, courses used toward another degree, courses over six years old when student first registered for the ISU degree program. No transfer credit is counted toward 400-level hours requirement. Request for Transfer of Credit form is posted at www.gradilstu.edu/plans.

Time Limitations: Degree completion is subject to university time limitations. Students who do not meet the time limit may be required to retake courses.

Readmission of Former Students: A lapse in registration of one calendar year or more requires application for readmission to the university.

Continuous Registration: Thesis and dissertation students must maintain continuous registration. Students generally enroll in 499 Master's Thesis or 599 Doctoral Dissertation. Under certain circumstances 499.01, 499.90, 599.01, or 599.90 may be appropriate.

The department offers work leading to the M.A. or M.S. degrees in speech pathology and an Au.D. in audiology. In addition to the requirements of the Graduate School, the degree students must meet all the academic requirements and clinical practicum requirements for the Certificate of Clinical Competence of the American Speech-Language-Hearing Association. Copies of requirements for both Illinois and national certification are available in the departmental office. The graduate programs are accredited by the Council on Academic Accreditation.

Admission Requirements

To be considered for admission to the program, applicants are required to hold a baccalaureate degree from an appropriately accredited institution with a grade point average of at least 3.00 computed on the last 60 hours of undergraduate work. The Graduate Record Exam is required. Letters of recommendations and a Student Profile must be submitted to the Department. Forms are available in the department office and online at www.csdilstu.edu. Because of a limited number of spaces in the graduate program, admission to the program may be deferred or denied.

Program Requirements

Students must maintain a cumulative grade point average of 3.00 in major courses and overall to retain their degree status and to be eligible for department practica. Enrollment by graduate students in the department's practica requires degree status. In all instances, permission of the Clinic Director is needed for practicum enrollment, and enrollments may be restricted. External graduate practica may require special course work and will require a student to provide transportation to external settings arranged by the department.

A candidate for the master's degree must spend at least one full term in residence in order to qualify for the degree. A full term is interpreted as one semester with a class load of eight or more hours, or a summer session with a class load of six or more hours. A degree student in the Doctor of Audiology program must spend one year in residency in order to qualify for the degree. A year in residence is interpreted as three consecutive semesters with a class load of six or more hours for each semester.

Three program options are available for the master's degree in speech pathology. Regardless of the option selected, the student must meet the academic and clinical practicum requirements for the Certificate of Clinical Competence (CCC) of the American Speech-Language-Hearing Association (ASHA). In order to meet the clinical practicum requirements for the CCC, the student must be prepared to accept responsibility for completing all the clinical assignments. The specific requirements for the master's degree in Speech-Language Pathology is below.

Speech Pathology and Audiology (M.A./M.S.)

The comprehensive option requires 33 hours of approved graduate-level course work and a passing performance on an eight-hour written comprehensive examination at the end of graduate study. The following courses are required: CSD 401, 412, 413, 414, 415, 416, 418, 419, and 444. Six hours of 400-level electives in speech-language pathology must be completed, and students must complete the practica necessary to meet the requirements for the Certificate of Clinical Competence.

The thesis option requires 33 hours of approved graduate-level course work and the completion of a Master's Thesis (CSD 499). The following courses are required: PAS 401, 412, 413, 414, 415, 416, 418, 419, and 444. Six hours of 400-level electives in speech-language pathology must be completed, and students must complete the practica necessary to meet the requirements for the Certificate of Clinical Competence.

The 35-hour option requires 35 hours of approved graduate-level course work. The following courses are required: CSD 401, 412, 413, 414, 415, 416, 418, 419, and 444, and a two-hour Independent Study (CSD 400). Six hours of 400-level electives in speech-language pathology must be completed, and students must be completed, and students must complete the practica necessary to meet the requirements for the Certificate of Clinical Competence.

Bilingual Speech-Language Pathology Sequence

Sixteen (16) hours are required, to consist of Descriptive Linguistics (ENG 341 or equivalent, 3 hours) and Theoretical Foundations of TESOL (ENG 344 or equivalent, 3 hours), Cultural Diversity in Communication Disorders (CSD 375, 3 hours) and Bilingual Assessment in Speech-Language Pathology Seminar (CSD 449, 2 hours), and an external clinical practical experience to be completed in a bilingual environment (CSD 408.60 or 408.70, 5 hours). All students must also demonstrate competence in Spanish sufficient to meet American Speech Language Hearing Association standards by earning a minimum score of Advanced-low on the Oral Proficiency Interview administered by the American Council on Teaching Foreign Languages.

Doctor of Audiology (Au.D.)

This approximately four-year post-baccalaureate professional degree is designed to produce audiologists who are competent to perform a wide array of diagnostic, remedial, and other services associated with the practice of audiology. Students must meet all the academic requirements and clinical practicum requirements for the Certificate of Clinical Competence of the American Speech-Language-Hearing Association. The program includes formal course work, prac-

tica, a year-long residency, and an independent study capstone project. The program requires a minimum of 94 credit hours. Students are expected to be in residence for at least one academic year. In order to meet the clinical practicum requirements for the CCC, the student must be prepared to accept the responsibility for completing all clinical assignments necessary for generating the requisite clock hours ASHA has specified in designated clinical categories.

Graduate Certificate in Social Aspects of Aging

The Graduate Certificate in Social Aspects of Aging is a multidisciplinary program designed to offer a limited number of academically and professionally oriented graduate experiences in aging. The graduate certificate is located within the Department of Sociology and Anthropology in cooperation with the Departments of Family and Consumer Sciences, Health Sciences, Psychology, and Speech Pathology and Audiology. For admission requirements and other information, please see the Department of Sociology and Anthropology section in this catalog.

Courses

310 CLINICAL NEUROLOGY

4 sem. hrs.

Study of neuroanatomy and physiology related to speech, language and cognition. Aphasia, traumatic brain injury and right hemisphere disorder introduced.

316 INTRODUCTION TO ORGANIC DISORDERS OF SPEECH

3 sem. hrs.

Speech disorders related to respiratory-laryngeal and articulatory-resonance systems; includes both diagnostic and remedial procedures for these disorders. Prerequisite: CSD 310. Includes clinical experiences: 5 hours, Type 1.

318 PROFESSIONAL ISSUES IN SPEECH LANGUAGE PATHOLOGY AND AUDIOLOGY

3 sem. hrs.

Professional attitudes, ethics, and organizations. Responsibilities in various professional settings. Program development and maintenance.

319 FOUNDATIONS OF SPEECH DISORDERS

3 sem. hrs.

Etiology, characteristics, and development of stuttering and motor speech disorders. Introduction to intervention strategies. Includes Clinical Experiences; 2 hrs., Type 1. Prerequisite: CSD 310.

321 INTRODUCTION TO LANGUAGE DISORDERS

4 sem. hrs.

Introduction to the identification and remediation of language disorders in children and adolescents. Includes clinical experiences: 5 hours, Type 1. Prerequisite: CSD 175.

349 SPEECH AND HEARING SCIENCE

3 sem. hrs.

Introduction to the concepts, theories and terminology required for an understanding of speech reception, auditory processing, and speech production. Prerequisite: CSD 155 or consent of instructor.

350 INTRODUCTION TO AUDIOLOGY**3 sem. hrs.**

Principles of hearing measurement: sound, human ear, test methods, hearing losses, screening methods, test interpretation. Includes clinical experiences 4 hours, Type 1. Prerequisite: CSD 349.

351 INTRODUCTION TO AURAL REHABILITATION TRAINING**3 sem. hrs.**

Principles of habilitation/rehabilitation of communicative disorders related to hearing impairment. Visual/auditory speech signals. Amplification: function/use. Includes clinical experiences 4 hours, Type 1. Prerequisite: CSD 350.

360 AUGMENTATIVE COMMUNICATION FOR NON-SPEAKING PERSONS**3 sem. hrs.**

Introduction to assessment, intervention strategies, technology and empirical research relative to non-speaking individuals. Includes clinical experiences 5 hours, Type 1. Prerequisite: CSD 321.

370 WRITTEN LANGUAGE DEVELOPMENT**3 sem. hrs.**

The linguistic knowledge and processes that form the basis of written language skills will be emphasized. Prerequisites: CSD 175; senior standing or consent of instructor.

375 CULTURAL DIVERSITY IN COMMUNICATION DISORDERS**3 sem. hrs.**

A multicultural perspective of communication disorders across the lifespan in order to provide culturally appropriate assessment and intervention. Prerequisite: Senior standing.

401 METHODS OF RESEARCH IN SPEECH PATHOLOGY AND AUDIOLOGY**3 sem. hrs.**

Introductory review of research strategy and philosophy in speech pathology and audiology for professionals who will be consumers of research literature.

405 ISSUES IN EARLY INTERVENTION FOR THE SPEECH-LANGUAGE PATHOLOGIST**2 sem. hrs.**

Issues encountered by speech-language pathologists when assessing and treating infants and toddlers (birth through 3 years of age) are introduced.

408.10 BASIC PRACTICUM: AUDIOLOGY DIAGNOSTICS**1/2-1 sem. hr.**

Approximately 45 clock hours of supervised clinical practicum. Placement in external practicum sites may be included. May be repeated for maximum of 2 semester hours. Consent of Clinic Director required. Includes clinical experiences 45 hours, Type 7 & 8. Materials charge optional.

408.20 BASIC PRACTICUM: AURAL REHABILITATION**1/2-1 sem. hr.**

Approximately 45 clock hours of supervised clinical practicum. Placement in external practicum sites may be included. May be repeated for maximum of 2 semester hours. Consent of Clinic Director required. Includes clinical experiences 45 hours, Type 7 & 8. Materials charge optional.

408.40 BASIC PRACTICUM: SPEECH-LANGUAGE PATHOLOGY**1/2-1 sem. hr.**

Approximately 45 clock hours of supervised clinical practicum. Placement in external practicum sites may be included. May be repeated for maximum of 2 semester hours. Consent of Clinic Director required. Includes clinical experiences 45 hours, Type 7 & 8. Materials charge optional.

408.50 ADVANCED PRACTICUM: SPEECH-LANGUAGE PATHOLOGY**1/2-3 sem. hrs.**

Approximately 45 clock hours of supervised clinical practicum. Placement in external practicum sites may be included. May be repeated for a maximum of 20 semester hours. Consent of Clinic Director required. Includes clinical experiences 45 hours, Type 7 & 8. Materials charge optional.

408.60 EXTERNAL PRACTICUM SPEECH-LANGUAGE PATHOLOGY EDUCATIONAL PLACEMENT**5 sem. hrs.**

Approximately 100 hours of external supervised practicum in an educational setting. Prerequisites: Consent of clinic director; major and overall graduate GPA of 3.0 or higher. May be repeated for credit for maximum of 10 hours.

408.70 EXTERNAL PRACTICUM SPEECH-LANGUAGE PATHOLOGY MEDICAL PLACEMENT**5 sem. hrs.**

Approximately 100 hours of supervised external practicum in a medical setting. Prerequisite: Consent of clinic director; major and overall graduate GPA of 3.0 or higher. May be repeated for credit for maximum of 10 hours.

412 PHONOLOGICAL DISORDERS**3 sem. hrs.**

Review and synthesis of literature on articulatory phonetics, acquisition and disruption of phonological processes, and assessment and remediation of phonological disorders. Prerequisite: CSD 215.

413 EVALUATION AND MANAGEMENT OF VOICE AND RESONANCE DISORDERS**3 sem. hrs.**

Review of the physiology of normal voice production and the study of etiologies, diagnosis, and management of voice and resonance disorders. Prerequisite: CSD 316.

414 EVALUATION AND MANAGEMENT OF DYSPHAGIA**3 sem. hrs.**

In-depth study of evaluation and management/treatment of swallowing disorders in adults.

415 LANGUAGE DISORDERS IN PRESCHOOL-AGE CHILDREN**3 sem. hrs.**

Synthesis of research literature related to preschool language disorders, with specific focus on prevention, assessment, and intervention. Prerequisite: CSD 321.

416 LANGUAGE DISORDERS IN SCHOOL-AGE CHILDREN**3 sem. hrs.**

An examination of current literature on the impact of language disorders in school-age children, including principles and practices of assessment and intervention. Prerequisite: CSD 321.

417 EVALUATION AND TREATMENT OF STUTTERING IN PRESCHOOL CHILDREN
2 sem. hrs.

Overview of characteristics and course of stuttering in preschool children. Diagnosis and various treatments of stuttering explored. Prerequisite: CSD 319.

418 STUTTERING II
3 sem. hrs.

Review of the phenomenology of stuttering and study of the literature pertaining to the evaluation and treatment of stuttering in children and adults. Includes clinical experiences 4 hours, Type 1. Prerequisite: CSD 319.

419 APHASIA
3 sem. hrs.

Provides the student with knowledge of past and current research and theory on the etiologies and diagnosis of, and therapies for, aphasia in children and adults. Prerequisite: CSD 310.

420 EVALUATION AND MANAGEMENT OF PEDIATRIC DYSPHAGIA
2 sem. hrs.

Anatomy-physiology of swallowing processes, normal swallowing/feeding development and function, and assessment and management strategies for children. Prerequisite: CSD 414.

430 TRAUMATIC BRAIN INJURY
2 sem. hrs.

Foundation for speech pathologists who will manage patients with communication deficits associated with traumatic brain injury. Prerequisite: CSD 310.

440 SPEECH PATHOLOGY FOR TRACHEOSTOMIZED AND VENTILATOR DEPENDENT PATIENTS
2 sem. hrs.

Foundation for students who will participate as members of multidisciplinary teams that manage tracheostomized and ventilator dependent patients.

444 NEUROPATHOLOGIES OF SPEECH
3 sem. hrs.

Research and theory on the nature and types of neuropathologies that affect motor speech production. Particular emphasis given to assessment and intervention of dysarthria and apraxia in children and adults. Prerequisite: CSD 310.

449 SEMINAR IN SPEECH-LANGUAGE PATHOLOGY
2-6 sem. hrs.

Current topics in speech-language pathology selected by students in consultation with the instructor. May be repeated for a total of 6 sem. hrs. provided topics are not duplicated. Prerequisite: consent of instructor.

451 COUNSELING FOR COMMUNICATION DISORDERS
2 sem. hrs.

A study of counseling approaches and techniques used in assessment and intervention of individuals with communication disorders and their families.

460 ADVANCED AUGMENTATIVE AND ALTERNATIVE COMMUNICATION
2 sem. hrs.

Application of principles of AAC assessment and intervention. Advanced programming of AAC devices. Prerequisite: CSD 360.

498 PROFESSIONAL PRACTICE
1 sem. hr.

Refer to Index for General Courses. May be repeated for credit.

499 MASTER'S THESIS
1-6 sem. hrs.

Students who register for one or more hours of CSD 499 are required to attend thesis seminar.

500 INDEPENDENT STUDY
1-4 sem. hrs.

Refer to Index for General Courses.

508 AUDIOLOGY CLINICAL PRACTICUM
2-4 sem. hrs.

Supervised clinical practicum. May be repeated for a maximum of 8 semester hours. Prerequisite: Consent of Clinical Director.

508.10 CLINICAL OBSERVATION
1 sem. hr.

Directed observation in the audiology clinic developing critical observation skills. Includes 25 clinical observation hours. Prerequisite: Consent of Clinical Director. May be repeated for a maximum of 2 semester hours.

508.20 CLINICAL CLERKSHIP
2 sem. hrs.

Introductory level supervised clinical practicum. Placement of external practicum sites may be included. Includes 45 clinical experience hours. Prerequisite: Consent of Clinical Director. May be repeated for maximum of 4 semester hours.

508.30 AUDIOLOGY INTERNSHIP
3 sem. hrs.

Intermediate level supervised clinical practicum. Placement in a variety of clinical sites closely associated with the university clinic. Includes 60 clinical experience hours. Prerequisite: Consent of Clinical Director. May be repeated for maximum of 6 semester hours.

508.40 GRADUATE AUDIOLOGY PRACTICUM
4 sem. hrs.

Advanced clinical practicum in audiology conducted in a variety of settings and with a range of hearing-impaired populations. Includes 90 clinical experience hours. Prerequisite: Consent of Clinical Director. May be repeated for maximum of 8 semester hours.

509 ANATOMY AND PHYSIOLOGY OF THE AUDITORY VESTIBULAR SYSTEM
3 sem. hrs.

Advanced study of the anatomy of the auditory and vestibular systems including the latest developments in understanding the function of various elements. Prerequisite: CSD 349.

510 AUDITION AND PSYCHOACOUSTICS
3 sem. hrs.

Advanced study of the acoustics, psychoacoustics, and instrumentation used in hearing science and elements of speech perception.

511 INSTRUMENTATION & ELECTROPHYSIOLOGICAL TECHNIQUES IN AUDIOLOGY I
3 sem. hrs.

Basics of instrumentation, including calibration and troubleshooting, as well as instruction and experiential training in basic electrophysiological testing.

520 ESSENTIAL TECHNIQUES IN AUDIOLOGY**3 sem. hrs.**

Essential tests of auditory system function including behavioral and physiological measure. Interpretation of test results as they relate to pathological conditions of the auditory system.

521 DIFFERENTIAL DIAGNOSIS IN AUDIOLOGY**3 sem. hrs.**

Administration and interpretation of audiometric procedures for differential diagnosis of auditory pathology emphasizing a test battery approach. Prerequisite: CSD 520.

522 ELECTROPHYSIOLOGICAL TECHNIQUES IN AUDIOLOGY II**3 sem. hrs.**

Instruction and experiential training in advanced electrophysiological techniques used in Audiological practice. Prerequisite: CSD 511 or consent of instructor.

523 PEDIATRIC AUDIOLOGY**3 sem. hrs.**

Hearing disorders and audiological techniques in the pediatric population. Prerequisite: CSD 521 or consent of instructor.

524 MEDICAL AUDIOLOGY**3 sem. hrs.**

Intensive study of medical correlates of hearing impairment, including medical and surgical intervention, pharmacology and ototoxicity, the effects of sedation on physiological measures and the pathogenesis of aural pathologies. Prerequisite: CSD 521.

526 AUDITORY PROCESSING AND DISORDERS**2 sem. hrs.**

Overview of human neuroanatomy and physiology of the central and peripheral nervous systems. Special study of the central auditory and vestibular connections. Review of current literature on normal pathological auditory processing and interventions. Prerequisite: CSD 521.

530 AMPLIFICATION TECHNOLOGY**3 sem. hrs.**

Principles of amplification electronics, electroacoustic and acoustic in aural (re)habilitation. Real ear measurements, ANSI specifications. Earmold acoustics. Modifying acoustical parameters.

531 AMPLIFICATION SELECTION AND FITTING**3 sem. hrs.**

Determining candidacy and benefit from amplification. Selection of appropriate amplification systems and options including assistive listening devices and implantable hearing aids. Prerequisite: CSD 530.

532 ADVANCED AURAL REHABILITATION: PEDIATRICS**3 sem. hrs.**

Overview of current management options for the (re)habilitation of children with hearing loss. Review of literature pertaining to all facets of aural rehabilitation in the context of communication theory. Prerequisite: CSD 351.

533 ADVANCED AURAL REHABILITATION: ADULT-GERIATRIC**3 sem. hrs.**

Overview of current management options for the rehabilitation of adults with hearing loss. Review of literature pertaining to all facets of aural rehabilitation in the context of communication theory. Prerequisite: CSD 351.

540 PROFESSIONAL ISSUES IN AUDIOLOGY**2 sem. hrs.**

Review and analysis of professional issues impacting service delivery in communication sciences and disorders. Prerequisite: Consent of instructor.

541 HEARING CONSERVATION**2 sem. hrs.**

Study of the effects of noise on the auditory system, noise measurement and hearing conservation programming. In addition, medical-legal aspects of hearing impairment are covered. Prerequisite: CSD 510 or consent of instructor.

542 PRACTICE MANAGEMENT IN AUDIOLOGY**2 sem. hrs.**

Survey of audiology business practices and audiology clinic practice management. Prerequisite: Consent of instructor.

580 ADVANCED SEMINAR IN AUDIOLOGY**2-6 sem. hrs.**

Specific or assigned topics explored. Prerequisite: Consent of instructor. May be repeated for credit if content different, for maximum of 6 credit hours.

598 CLINICAL RESIDENCE IN AUDIOLOGY**6 sem. hrs.**

Advanced three-semester clinical practicum in an external site. Each residency is custom-tailored to interests of the trainee. May involve relocation or travel. Prerequisite: Consent of instructor. May be repeated for maximum of 18 semester hours.

ECONOMICS (ECO)

425 Stevenson Hall, (309) 438-8625

www.econ.ilstu.edu

Chairperson: James E. Payne. Office: Stevenson 425.

Graduate Program Director: Hassan Mohammadi.

Graduate Faculty: S. Billger, J. Carlson, J. Chen, O. Dincer, R. Goel, D. Loomis, H. Mohammadi, J. Payne, R. Ram, D. Rich, D. Schwalm, N. Skaggs, M. Walbert, G. Waters, K. Zhang.

University Regulations

In addition to the requirements of the individual graduate program, all students are subject to university regulations detailed in the front of the Graduate Catalog. Below is a summary of the most commonly referenced regulations. To locate full details of each regulation, use the index at the end of the catalog.

Academic Good Standing: A 3.00 minimum cumulative graduate GPA is required for graduation and for all courses and activities that require good academic standing.

Course Numbering System, Course Offerings: Some 300- and 400-level courses will not count toward graduate degrees. Any 300-level courses not listed in the Graduate Catalog are undergraduate credit only and are not available for graduate credit. Courses numbered 399 and 429 may be taken for graduate credit but do not count toward a graduate degree.

Use of credit hours from the course group 393, 397, 400, 493, 498 toward a degree is limited. No more than 9 hours from this group count toward the degree. No more than 6 of the 9 hours may come from 400. Review degree requirements and count previous hours taken from this group before enrolling, since once the limit is reached, no more hours from this group will apply toward the degree.

Use of thesis/dissertation hours toward a degree is limited.

Student-at-Large: Courses taken as a student-at-large do not count toward the degree unless recommended by the degree program. Limit of 12 hours.

Transfer of Credit: Transfer courses must meet university qualifications and be approved by the program and Graduate School. No transfer of the following: courses with grade lower than B, independent study, courses from non-accredited universities, courses used toward another degree, courses over six years old when student first registered for the ISU degree program. No transfer credit is counted toward 400-level hours requirement. Request for Transfer of Credit form is posted at www.grad.ilstu.edu/plans.

Time Limitations: Degree completion is subject to university time limitations. Students who do not meet the time limit may be required to retake courses.

Readmission of Former Students: A lapse in registration of one calendar year or more requires application for readmission to the university.

Continuous Registration: Thesis and dissertation students must maintain continuous registration. Students generally enroll in 499 Master's Thesis or 599 Doctoral Dissertation. Under certain circumstances 499.01, 499.90, 599.01, or 599.90 may be appropriate.

The Department of Economics offers work leading to the M.A. or M.S. degree in applied economics. Four program options are available.

Non-Thesis Option: Students select a concentration in an applied economics field, including business economics, public finance, monetary economics, international trade or finance, and human resources. Not all concentrations will be offered each year. (See the Graduate Program Director for schedule.) The thirty-four hours of credit must include the core courses: ECO 437 (3 hours), 438 (3 hours), 439 (3 hours), 440 (4 hours), 441 (3 hours), 492 (3 hours), and 495 (3 hours), for a total of 22 hours; 6 credit hours in economics at the 400 level; and 6 credit hours of additional electives at the 300 or 400 level within or outside Economics and selected in consultation with the Graduate Program Director.

Applied Community and Economic Development

This sequence is designed for: (a) returned Peace Corps volunteers, (b) students with experiences equivalent to Peace Corps, or (c) students preparing to enter the Peace Corps. The thirty-four hours of credit must include the core courses: ECO 437 (3 hours), 438 (3 hours), 440 (4 hours), 441 (3 hours), 490.04 (2 hours), 495 (3 hours), and 498.03 (5 hours), for a total of 23 hours; POL/SOA 470 (3 hours), POL/SOA 477 (3 hours), ECO/POL/SOA 478 (2 hours), and ECO 492 (3 hours) or a 3-hour elective.

Electricity, Natural Gas, and Telecommunications Economics

This sequence emphasizes the application of economic analysis to the telecommunications, electric, and natural gas industries. The thirty-four hours of credit must include the core courses: ECO 437 (3 hours), 438 (3 hours), 439 (3 hours), 440 (4 hours), 441 (3 hours), 492 (3 hours), and 495 (3 hours), for a total of 22 hours; ECO 335 (3 hours), 435 (3 hours), and 436 (3 hours); ECO 498.02 (3 hours), or a 3-hour elective may serve as a substitute.

Financial Economics

This sequence provides students training in the financial theory of the firm, financial markets and institutions to complement their training in applied economic analysis. The thirty-four hours of credit must include the core courses: ECO 437 (3 hours), ECO 438 (3 hours), ECO 439 (3 hours), ECO 440 (4 hours), ECO 441 (3 hours), ECO 492 (3 hours), and ECO 495 (3 hours), for a total of 22 hours; FIL 404 (2 hours), FIL 440 (3 hours), and 3 credit hours in a FIL 400-level elective; 4 credit hours of additional electives at the 300 or 400 level within or outside Economics and selected in consultation with the Graduate Program Director. Before enrolling in the sequence, students must consult the Graduate Program Director of the Department of Economics and the MBA Program Office and obtain approval for registering for FIL courses. Students in the graduate program in the Department of Economics who satisfy the following requirements may take graduate level finance course offered by the College of Business: (1) The student must have taken and passed ECO 437 with a grade of B or better; (2) The student must have a graduate GPA of 3.0 or above; and (3) qualified students must take and pass FIL 404 or equivalent (equivalent means that the student has either taken a similar course at the undergraduate level or passed a proficiency exam administered by the MBA Program Office) before registering for FIL 440.

Thesis Option: This option is appropriate for students whose interests lie outside one of the applied fields noted above and for those who intend to pursue doctoral level studies in economics or a related discipline. The thirty-four hours of credit must include the core courses: ECO 437 (3 hours), 438 (3 hours), 439 (3 hours), 440 (4 hours), 441 (3 hours), and 499 (6 hours), for a total of 22 hours; 6 hours in economics at the 400 level; and 6 hours of additional electives at the 300 or 400 level within or outside Economics and selected in consultation with the Graduate Program Director.

Admission Requirements

Program applicants must submit Graduate Record Examination scores. In normal circumstances and without additional information to indicate potential success in the program, a minimum acceptable score is 950 (combined verbal and quantitative) for GREs taken prior to fall 2009. Admission to the program without course deficiencies requires that the student has successfully completed principles of economics, a basic course in calculus and in statistics, and courses in intermediate microeconomic and macroeconomic theory. For students with a strong undergraduate quantitative background, the course requirements in intermediate theory may be waived by the department. An applicant must have earned at least a 3.0 GPA on a 4.0 scale in the last four of the six required courses.

Courses

320 INDUSTRIAL ORGANIZATION

3 sem. hrs.

Theoretical and empirical analysis of basic influences on industrial markets and performances. Market practices, the role of competition, and related policy issues. Prerequisite: One 200-level ECO course.

326 ECONOMICS OF HUMAN RESOURCES

3 sem. hrs.

Theoretical and empirical analysis of labor markets. Education and training, labor mobility, wage structure, discrimination, unemployment, wage and income policies. Prerequisite: ECO 225 or 240.

329 ECONOMIC ISSUES IN EDUCATION

3 sem. hrs.

Analysis of economic issues in education including efficiency and equity, public vs. private provision of educational services, and education as human capital. Prerequisite: ECO 225 or 240.

335 ECONOMICS OF REGULATION AND ANTITRUST

3 sem. hrs.

The origins, aims, methods and effects of economic regulation and antitrust with an emphasis on case studies. Prerequisite: ECO 239 or 240.

339 ORGANIZATIONAL ECONOMICS

3 sem. hrs.

Economic analysis of firm boundaries, make or buy decisions, incentive contracts and supply relationships, repeated interaction and reputations, organizational structure and related management applications. Prerequisite: ECO 239 or 240.

340 HEALTH ECONOMICS AND POLICY

3 sem. hrs.

Study of the production of health care and the market forces that act on individuals, providers, institutions, and policy design. Prerequisite: ECO 240.

345 INTERNATIONAL TRADE

3 sem. hrs.

Study of the causes and consequences of international trade. Analysis of tariffs, quotas, other trade restrictions, current trade policy and multinational corporations. Prerequisite: ECO 240 or 245.

346 INTERNATIONAL FINANCE

3 sem. hrs.

Analysis of mechanisms of international payments and evaluation of the international monetary system. Topics include exchange rates, balance of payments, international monetary cooperation, and connections between the domestic and international economy. Prerequisite: ECO 241 or 245.

350 PUBLIC FINANCE

3 sem. hrs.

Analysis of the economic impacts of government expenditures and taxes on the allocation of resources and the distribution of income. Prerequisite: One 200-level ECO course.

351 STATE AND LOCAL FINANCE

3 sem. hrs.

Economic impacts of state and local government expenditures and taxes, cost benefit analysis, and intergovernmental fiscal relations. Prerequisite: One 200-level ECO course.

353 REGRESSION AND TIME SERIES ANALYSIS

4 sem. hrs.

Regression and time series methods for business and economic applications, including exponential smoothing and Box-Jenkins methods. Computer statistical package used. Prerequisites: C or better in MAT 351 or equivalent or consent of instructor. Also offered as MAT 353.

360 HISTORY OF THE AMERICAN ECONOMY

3 sem. hrs.

Recent empirical studies and applications of economic theory to historical problems in an American context. Causes of the Great Depression, economics of slavery, and roles of agriculture, industry, and government in growth. Prerequisite: Two 200-level ECO courses.

372 HISTORY OF ECONOMIC THOUGHT

3 sem. hrs.

A study of economic analysis from the Mercantilists to the American Institutionalists. Relates earlier schools of thought to the contemporary. Prerequisite: Two 200-level ECO courses.

401 SURVEY OF ECONOMIC PRINCIPLES

3 sem. hrs.

Compresses into a single semester matters ordinarily covered in two semesters of Economic Principles. Enrollment is limited to graduate students who have had no more than one semester of previous study in economics. Cannot be presented for graduate credit by a degree candidate in Economics or in the MBA program.

405 THEORIES OF ECONOMIC DEVELOPMENT

3 sem. hrs.

Consideration of economic development theories and their implications for development policy to further economic growth. Prerequisite: ECO 205.

415 MONETARY ECONOMICS

3 sem. hrs.

The role of money in economic activity; the precise nature of the demand and supply conditions; the policy implications of theoretical conclusions with regard to money. Prerequisite: ECO 241.

425 ADVANCED LABOR ECONOMICS

3 sem. hrs.

Advanced theoretical and empirical analysis of labor demand, labor force participation, and determinants of earnings. Emphasis on contemporary econometric practice. Prerequisites: ECO 438 and 440.

435 PUBLIC UTILITY ECONOMICS

3 sem. hrs.

Principles and institutions of economic regulation, with applications to regulatory reform in the electricity, natural gas and telecommunications industries. Prerequisites: ECO 335 and 440.

436 SEMINAR IN REGULATORY POLICY

3 sem. hrs.

Analysis of the economic issues facing the electric, natural gas, and telecommunications industries. Prerequisite: ECO 435.

437 FUNDAMENTALS OF ECONOMETRICS

3 sem. hrs.

Review of basic statistics. Study of linear regression model and tests of model assumptions. Prerequisites: ECO 105, 138; MAT 121 or 145.

438 MICROECONOMETRICS**3 sem. hrs.**

Econometrics techniques related to microeconomics. Topics include instrumental variables, model specification tests, simultaneous equations, cross-section and panel estimation, and binary choice models. Prerequisite: ECO 437.

439 APPLIED TIME SERIES ECONOMETRICS AND FORECASTING**3 sem. hrs.**

Study of structural models, univariate and multivariate time series models, and volatility models along with generation of forecasts. Prerequisite: ECO 438.

440 ADVANCED MICROECONOMIC THEORY I**4 sem. hrs.**

Optimization techniques, theory of consumer choice, theory of the firm, market equilibrium, and welfare economics. Prerequisites: ECO 240 and work in calculus.

441 ADVANCED MACROECONOMIC THEORY I**3 sem. hrs.**

National income analysis with emphasis on the contemporary theories of consumption, investment and interest, also consideration of the level, growth, and fluctuations of national income. Prerequisites: ECO 241 and work in calculus.

445 INTERNATIONAL ECONOMIC ANALYSIS**3 sem. hrs.**

Pure theory of trade, and international finance, growth and trade, balance of payments adjustment, and the theory of exchange rate determination are considered. Prerequisite: ECO 345.

450 ADVANCED PUBLIC FINANCE**3 sem. hrs.**

Analysis of economic impacts of government expenditures and taxes on the allocation of resources and the distribution of income. Prerequisite: ECO 240. ECO 438 recommended.

478 TOPICS IN ADMINISTRATION AND PLANNING**2 sem. hrs.**

Emphasizes skills needed for community and economic development domestically and internationally, including strategic planning, non-profit administration, and feasibility studies. Prerequisite: Graduate standing in ECO, POL, or SOA or consent of instructor.

490 SEMINAR IN ECONOMICS**1-4 sem. hrs.**

May be repeated for credit if different topics. Available as 490.04 Seminar in Local Economic Development. Prerequisite: Consent of department chairperson; in addition, for 490.04, must have had at least one course in Economics.

491 INTERNSHIP IN COLLEGE TEACHING IN ECONOMICS**3 sem. hrs.**

Credit for the course is given in Curriculum and Instruction (see C&I 491).

492 GRADUATE READINGS IN ECONOMICS**1-3 sem. hrs.**

For the graduate student who would benefit from a more specialized independent type of study adapted to his/her background and needs. Prerequisite: Consent of department chairperson and instructor.

495 GRADUATE RESEARCH IN APPLIED ECONOMICS**3 sem. hrs.**

Seminar course in applied economics research. Topics will vary by instructor, with students undertaking a substantial research project. Prerequisites: ECO 437, 438, 440, and 441.

498 PROFESSIONAL PRACTICE IN ECONOMICS**1-12 sem. hrs.**

Practical experience in a professional capacity under the mentorship of a faculty member. Available as 498.01 Professional Practice: Co-op/Internship in Economics; 498.02 Professional Practice: Co-op/Internship in Electric, Natural Gas or Telecommunications Economics; 498.03 Professional Practice: Co-op/Internship in Community and Economic Development. Prerequisites: ECO 437, 438, 440, and 441 and a 3.0 or better GPA. A maximum of six hours may be submitted toward degree completion. Will not count toward the 400-level course requirement.

499 MASTER'S THESIS**1-6 sem. hrs.****ENGLISH (ENG)****409 Stevenson Hall, (309) 438-3667****www.englishilstu.edu**

Chairperson: Joan Mullin. Office: Stevenson Hall 409-D.

Graduate Program Director: Roberta Trites.

Graduate Faculty: J. Amato, C. Ball, L. Brasseur, C. Breu, R. Broad, S. Burt, R. Chase, K. Coats, R. Cruz, M. Demirci, C. DeSantis, K. Dykstra, K. Ellison, H. K. Fleischer, G. Gudding, A. Haas, E. Hatmaker, B. Hawkins, C. Huff, T. Hunt, J. Jung, H. Justice, J. Kalmbach, S. Kalter, H. Kang, K. Kerr, S. Kim, C. Lamonica, K. Manavalli, W. McBride, R. McLaughlin, J. Mullin, J. Neuleib, G. Olson, N. op de Beeck, S. Parry, J. Presley, P. Ressler, A. Robillard, R. Saunders, G. Savage, J. Shields, A. Smith, R. Strickland, J. Susina, T. Thompson, R. Trites, C. White, L. Worsham, K. Zona.

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and count previous hours taken from this group before enrolling, since once the limit is reached, no more hours from this group will apply toward the degree.

Use of thesis/dissertation hours toward a degree is limited.

Student-at-Large: Courses taken as a student-at-large do not count toward the degree unless recommended by the degree program. Limit of 12 hours.

Transfer of Credit: Transfer courses must meet university qualifications and be approved by the program and Graduate School. No transfer of the following: courses with grade lower than B, independent study, courses from non-accredited universities, courses used toward another degree, courses over six years old when student first registered for the ISU degree program. No transfer credit is counted toward 400-level hours requirement. Request for Transfer of Credit form is posted at www.grad.ilstu.edu/plans.

Time Limitations: Degree completion is subject to university time limitations. Students who do not meet the time limit may be required to retake courses.

Readmission of Former Students: A lapse in registration of one calendar year or more requires application for readmission to the university.

Continuous Registration: Thesis and dissertation students must maintain continuous registration. Students generally enroll in 499 Master's Thesis or 599 Doctoral Dissertation. Under certain circumstances 499.01, 499.90, 599.01, or 599.90 may be appropriate.

The Department of English offers programs of graduate work leading to the Post-Baccalaureate Certificate, Master of Arts, Master of Science, and the Doctor of Philosophy. A master's degree program is offered both in English and in Writing. University requirements for these degrees are listed elsewhere in this catalog. Departmental requirements are as follows.

Admission Requirements

Admission requirements are as follows. All applicants will have achieved a minimum 3.0 GPA as undergraduates; or, will have achieved more than a 3.0 during their last 45 hours; or, will have achieved a 3.0 as students-at-large in graduate courses; or, will have achieved a 3.0 as a master's student. Applicants will submit the scores from the General Test of the GRE, transcripts from all colleges and universities attended, the application form, and any supporting materials. In addition, international students are required to submit TOEFL scores. Applications to the master's programs are considered in October and January; applications to the Ph.D. are considered in January.

Post-Baccalaureate Graduate Certificate in the Teaching of Writing in High School/Middle School

The Post-Baccalaureate Graduate Certificate in the Teaching of Writing in High School/Middle School is designed for certified middle and high school teachers of any subject who are interested in pursuing study of current theory and practice in composition in an atmosphere emphasizing the special needs of the high school/middle school teacher. Middle or Secondary Teacher Certification is required for admission to the certificate program. The Post-Baccalaureate Graduate Certificate is earned upon completion of the following 18 hours of courses:

- 409.01 Major Figures in the Teaching of Writing in High School/Middle School

- 409.02 Teaching of Grammar in High School/Middle School

- 409.03 Writing Assessment in High School/Middle School

- 409.04 Using Technology to Teach Writing in High School/Middle School

- 409.05 Applying Rhetoric to the Teaching of Writing in High School/Middle School

- 409.06 The Writing Project

With permission of the Graduate Program Director, an appropriate 400-level course focused on composition or the teaching of composition may be substituted for one 409 course.

The Post-Baccalaureate Graduate Certificate does not automatically lead to a graduate degree, but the credits earned for the certificate may all be applied toward an M.A. or Ph.D. in English Studies.

Graduate Certificate in Teaching English to Speakers of Other Languages (TESOL)

The graduate certificate in TESOL is an option for students in a variety of disciplines who intend to teach English to speakers of other languages. The graduate certificate requires 16 hours to consist of ENG 341, 342 or 343, 344, 394, 441, and 490. Students desiring to acquire the certificate should consult their graduate program coordinator/advisor as well as the TESOL certificate coordinator.

Master's Degree in English

The Department offers a master's degree in English, with emphases by advising in English Studies, Children's Literature, Creative Writing, linguistics, technical writing, TESOL, and Traditional Literature. ENG 402 is required for students with teaching assistantships in composition. Option I: This degree option, made in consultation with the advisor, requires 11 courses and either a comprehensive examination or a portfolio, the contents of which are to be determined by the student, also in consultation with the advisor. Option II: This degree option, made in consultation with the advisor, requires 10 courses and a thesis. The typical program is approximately 33 semester hours.

Master's Degree in Writing

The master's degree in writing offers sequences in Professional Writing and Rhetorics and in the Teaching of Writing. The degree consists of eleven courses plus a comprehensive exam or ten courses plus a professional portfolio or a thesis. English 402 is required for students with teaching assistantships in composition. Students work with an advisor to design a specific sequence of courses to fit their professional interests.

Professional Writing and Rhetorics Sequence

The sequence in Professional Writing and Rhetorics prepares students to bring English Studies to professional and civic contexts where language and texts are involved in social and organizational change. The complexity of such literacies requires technical competencies in writing, editing, and designing texts. In our program, these competencies are rhetorically informed, guided by an understanding of the ethical, legal, and political consequences of professional practices in the workplace, in the public forum, and in private lives.

Requirements

- ENG 401 (3 hrs.)
- 6 courses (18 hrs.), with at least two from both of the following areas:

Teaching Writing and New Media Studies: ENG 349, 350, 351, 353, 356, 451, 452, 467

Composition and Rhetorical Studies: ENG 391, 392, 402, 483, 494, 496, 497

- 3 or 4 elective courses (9-12 hrs.): Students are strongly encouraged to select a literary studies course and a linguistics course as electives. Additional electives may be chosen from the above list.

- An internship (ENG 498) or appropriate professional experience (3 hrs.)

Option I: 33 hours of course work plus comprehensive examinations.

Option II: 30 hours of course work plus three thesis hours (to complete master's thesis or portfolio).

Teaching of Writing Sequence

The sequence in the teaching of writing offers graduate students and teachers advanced work in the theory and practice of the teaching of writing.

Requirements

- ENG 401 (3 hrs.)
- 6 courses (18 hrs.), with at least two from both of the following areas:

Teaching Writing: ENG 390, 395, 402, 409.01, 409.02, 409.03, 409.04, 409.05, 409.06, 445, 452, 492

Composition and Rhetorical Studies: ENG 391, 392, 402, 483, 494, 496, 497

- 4 elective courses (12 hrs.): Students are strongly encouraged to select a literary studies course, a linguistics course, and a teaching internship as electives.

Option I: 33 hours of course work plus comprehensive examinations.

Option II: 30 hours of course work plus three thesis hours (to complete master's thesis or portfolio).

Doctor of Philosophy

The Doctor of Philosophy in English is designed for those who have a demonstrated career commitment to teaching, especially in two and four year colleges. Its purpose is to provide integrating theories for undergraduate instruction in writing, language, and literature. The program requires ENG 402 for students with teaching assistantships in composition, ENG 510, 540, 560, 590, and 591; English Studies electives, 6-9 hours; Pedagogy, 6 hours; Specialization, 15 hours; comprehensive examinations; and a dissertation on the teaching of language, literature, or writing.

A full-time student should normally complete course work in two calendar years, a part-time student, in four years. The typical program is approximately 100 semester hours. A Doctor of Philosophy student, after completing work for a master's degree or its equivalent, must successfully complete at least two terms of full-time residency. A term may be a semester or a summer session of at least eight weeks. Full-time for residency is defined as at least nine semester hours of course work during a semester or six semester hours during a summer session.

Admission to the program requires a master's degree and, ordinarily, prior teaching experience. For additional information write the Graduate Program Director, Department of English, Illinois State University.

Courses

When content differs the courses may be repeated with the approval of the Department's Graduate Program Director and the Graduate School.

308 LITERATURE AND THE RELATED ARTS 3 sem. hrs.

Formal, aesthetic, and cultural relationships among literature, art, music, drama, film, and other related arts. Prerequisites: C or better in ENG 100; Jr/Sr standing or consent of instructor.

310 HISTORY AND DEVELOPMENT OF THE ENGLISH LANGUAGE 3 sem. hrs.

Development of the English language from the Old English period to the present. Prerequisite: Jr/Sr standing or consent of instructor.

311 INTRODUCTION TO OLD ENGLISH LANGUAGE AND LITERATURE 3 sem. hrs.

Elements of Old English grammar, with selected readings in Old English literature.

320 CHAUCER 3 sem. hrs.

Literary and linguistic study of the major works of Chaucer; text in Middle English.

324 MILTON 3 sem. hrs.

Major poetry and prose of John Milton. Prerequisite: C or better in ENG 100 and Jr/Sr standing, or consent of instructor.

325 ENGLISH DRAMA BEFORE 1642 3 sem. hrs.

English drama, excluding Shakespeare, from its beginning to the closing of the theaters; authors such as Marlowe, Jonson, Webster. Prerequisite: C or better in ENG 100 and Jr/Sr standing or consent of instructor.

327 RESTORATION AND EIGHTEENTH- CENTURY DRAMA 3 sem. hrs.

English drama from the opening of the theatres in 1660 to the turn of the nineteenth century. May be repeated if content different. Prerequisite: C or better in ENG 100 and Jr/Sr standing or consent of instructor.

328 MODERN ENGLISH DRAMA 3 sem. hrs.

Twentieth century drama written in English and related criticism. Prerequisites: C or better in ENG 100 and Jr/Sr standing or consent of instructor.

329 SELECTED FIGURES IN ENGLISH LITERATURE 3 sem. hrs.

Topics in specific literary figures, genres, or movements. Prerequisites: C or better in ENG 100 and Jr/Sr standing or consent of instructor. May be repeated if content different.

**332 SELECTED FIGURES IN
AMERICAN LITERATURE**

3 sem. hrs.

Topics in literary figures, genres, or movements. Prerequisites: C or better in ENG 100 and Jr/Sr standing or consent of instructor. May be repeated if content different.

336 THE AMERICAN NOVEL

3 sem. hrs.

Historical survey of major American novelists, including authors such as Twain, Hawthorne, Melville, Crane, Hemingway, Faulkner, and Barth. May be repeated if content different for maximum of 6 hours. Prerequisites: C or better in ENG 100 and Jr/Sr standing or consent of instructor.

**341 INTRODUCTION TO DESCRIPTIVE
LINGUISTICS**

3 sem. hrs.

Aims and methods of linguistic science. Nature and functions of language: phonology, morphology, syntax, variation. Relationship of language to culture.

342 SOCIOLINGUISTICS

3 sem. hrs.

Social significance of language variation: regional, social, ethnic dialects; attitudes toward variation. Multilingual societies, language choice, language shift, language planning. Also offered as ANT 342.

343 CROSS-CULTURAL ASPECTS IN TESOL

3 sem. hrs.

The relationship between language, culture, and cultural awareness in the learning and teaching of English as a Second Language. Prerequisites: ENG 241 or 243 or 341.

344 TESOL: THEORETICAL FOUNDATIONS

3 sem. hrs.

Linguistic theories, first and second language acquisition, cognitive, affective, and cultural factors in teaching English as a Second Language. Prerequisite: ENG 243 or 341.

345 TESOL METHODS AND MATERIALS

3 sem. hrs.

Methodologies and techniques for teaching English as a Second Language; evaluation of materials for various levels and instructional goals. Includes clinical experience. Prerequisite: ENG 344.

346 ASSESSMENT AND TESTING IN ESL

3 sem. hrs.

Assessing oral and written proficiency in English as a Second Language. Prerequisite: ENG 341.

347 ADVANCED CREATIVE WRITING

3 sem. hrs.

Workshop format for individual projects; related theory. Topics: .01 Poetry; .02 Prose; .03 Creative Nonfiction. Prerequisite: Jr/Sr standing or consent of instructor; ENG 247 or graduate standing. May be repeated if content different.

348 PLAYWRITING

3 sem. hrs.

Playwriting techniques of selected masters with practical application of techniques in writing original plays. Also offered as THE 348.

349 TECHNICAL WRITING II

3 sem. hrs.

Instruction and practice in editing, proposals, and analytical writing; attention given to style manuals, research-writing, and (as needed) publication. Prerequisite: ENG 249 or graduate standing. Also offered as TEC 349. Materials charge optional.

350 VISIBLE RHETORIC

3 sem. hrs.

Document design as a rhetorical activity and the application of theories of visible rhetoric to document production. Computer-assisted. Prerequisite: ENG 246, 247, or 249, or consent of instructor. Materials charge optional.

351 HYPERTEXT

3 sem. hrs.

Workshop using digital technologies to compose complex, multimodal, Web-based texts for a variety of rhetorical situations. Computer-assisted. Prerequisites: Jr/Sr standing; ENG 239; 246, 247, or 249 or graduate standing or consent of instructor. Materials charge optional.

**352 SELECTED FIGURES IN GLOBAL
LITERATURE**

3 sem. hrs.

Studies in literary figures, genres, or movements. Prerequisites: C or better in ENG 100 and Jr/Sr standing or consent of instructor. May be repeated if content different.

353 TECHNICAL EDITING

3 sem. hrs.

Theory and practice of editing and management of documentation in industry and other organizational settings. Computer assisted. Prerequisites: ENG 244 or COM 166 or graduate status or consent of instructor.

**354 LITERARY PUBLISHING IN THEORY
AND PRACTICE**

3 sem. hrs.

Focus on issues that have shaped contemporary literary publishing. Prerequisite: C or better in ENG 100 or consent of instructor.

**355 FORENSIC BIBLIOGRAPHY AND
ARCHIVAL EDITING**

3 sem. hrs.

History of print culture from orality to digital text; introduction to principles and practices of bibliographic investigation and scholarly editing. Prerequisite: B or better in ENG 246, 247, 248, or 249; and Junior/Senior standing or graduate standing or consent of instructor.

**356 PROPOSAL WRITING IN THE
ARTS AND HUMANITIES**

3 sem. hrs.

Rhetorical and economic principles of proposal writing in the arts and humanities, including analyzing CFPs and researching and writing proposals. Prerequisite: C or better in ENG 246, 247, 248, or 249; and Junior/Senior standing or graduate standing or consent of instructor.

357 THEORIES OF CREATIVE WRITING GENESIS

3 sem. hrs.

Survey of theories creative writers explicitly and implicitly employ and consider. Includes editing, analysis, and writing of creative and theoretical texts. Prerequisites: Junior/senior standing with B or better in any 200-level writing course; or graduate standing; or consent of instructor.

360 STUDIES IN WOMEN'S WRITING**3 sem. hrs.**

Studies in literature and theories of women's writing. Prerequisite: Jr/Sr standing or consent of instructor. May be repeated if content different, for maximum of 6 hours.

365 MOVEMENTS AND PERIODS IN AFRICAN-AMERICAN LITERATURE AND CULTURE**3 sem. hrs.**

Advanced critical study of major movements and periods in African American literature. Prerequisite: C or better in ENG 100; Jr/Sr or consent of instructor. May be repeated if content different.

367 CREATIVE WRITING PEDAGOGY**3 sem. hrs.**

Theory and practice of teaching creative writing at high school and university levels, including design of courses and assignments. Prerequisite: B or better in ENG 247 and jr/sr standing; or graduate standing; or consent of instructor.

370 STUDIES IN THE HISTORY OF LITERATURE FOR YOUNG PEOPLE**3 sem. hrs.**

Advanced critical, chronological examination of literature for children and adolescents from folklore origins to 1945. Prerequisite: Jr/Sr standing; ENG 170 or consent of instructor. May be repeated if content different.

372 STUDIES IN CONTEMPORARY LITERATURE FOR YOUNG PEOPLE**3 sem. hrs.**

Advanced critical examination of 20th and 21st century literature for children and young adults with emphasis on trends and research. Prerequisite: Jr/Sr standing; ENG 170 or consent of instructor. May be repeated if content different.

373 POETRY FOR CHILDREN**3 sem. hrs.**

Poetry for children and early adolescents, including various categories, elements, and well known poets in the field. Prerequisites: Jr/Sr standing; ENG 170 or consent of instructor. May be repeated if content different for maximum of 6 hours.

374 STORYTELLING**3 sem. hrs.**

The art of storytelling based on knowledge of folklore heritage with experiences in oral transmission of literature in a variety of settings.

375 YOUNG ADULT LITERATURE**3 sem. hrs.**

Advanced critical examination of literature for young adults with emphasis on trends and research. Prerequisite: Jr/Sr standing or consent of instructor. May be repeated if content different.

378 SHAKESPEARE ON STAGE**3 sem. hrs.**

An intensive study of Shakespeare's plays in production. Prerequisites: C or better in ENG 100 and Jr/Sr standing or consent of instructor. May be repeated for maximum of 6 hours. Also offered as THE 378.

381 STUDIES IN LITERARY GENRES**3 sem. hrs.**

Advanced study in one or more literary types or genre. Prerequisites: C or better in ENG 100 and Jr/Sr standing or consent of instructor. May be repeated if content different.

382 LITERARY CRITICISM**3 sem. hrs.**

Historical survey of selected texts in literary and critical theory from Plato to the present. Prerequisites: C or better in ENG 100 and Jr/Sr standing or consent of instructor.

384 INTRODUCTION TO CULTURAL THEORY**3 sem. hrs.**

Introduction to the history and practice of cultural theory. Prerequisites: C or better in ENG 100 and Jr/Sr standing or consent of instructor.

386 THE EIGHTEENTH-CENTURY ENGLISH NOVEL**3 sem. hrs.**

The English novel from its origins through the 18th century. Prerequisites: C or better in ENG 100 and Jr/Sr standing or consent of instructor.

387 THE NINETEENTH-CENTURY ENGLISH NOVEL**3 sem. hrs.**

The English novel between 1800 and 1900. Prerequisites: C or better in ENG 100 and Jr/Sr standing or consent of instructor.

388 THE TWENTIETH-CENTURY ENGLISH NOVEL**3 sem. hrs.**

The English novel since 1900. Prerequisites: C or better in ENG 100 and Jr/Sr standing or consent of instructor.

390 RESEARCH STUDIES IN LANGUAGE ARTS**3 sem. hrs.**

Critical study of current practice and research in the language arts and language development.

391 SURVEY OF CLASSICAL RHETORIC**3 sem. hrs.**

Rhetorical theories from ancient Greece to 1900, emphasizing Plato, Aristotle, Cicero, and Quintilian.

392 MODERN THEORIES OF RHETORIC**3 sem. hrs.**

Studies of the principles of rhetoric to serve as a basis for understanding contemporary rhetorical theories.

394 TESOL PRACTICUM**1-6 sem. hrs.**

Observation, case studies, tutoring, instructional assistance, and some teaching experience in English as a Second Language. Prerequisite: ENG 345.

395 PROBLEMS IN THE TEACHING OF ENGLISH**3 sem. hrs.**

Examination of theory and practice in the teaching of language, literature, and composition at the secondary and community college level. Prerequisite: Experience in teaching (student teaching acceptable), or ENG 296, 297. May be repeated if topic different.

396 THE WRITING SEMINAR**3 sem. hrs.**

Concentration upon a major writing project and the formulation of an individual writing portfolio. Prerequisites: ENG 246, 247, or 249, or graduate standing or consent of instructor.

400 INDEPENDENT STUDY**1-4 sem. hrs.**

Directed independent study in an area of English Studies.
Prerequisite: Consent of instructor and graduate director.

401 INTRODUCTION TO GRADUATE STUDY**3 sem. hrs.**

Introduction to bibliography, methods of research, critical evaluation of scholarship, and recent developments in literary theory and criticism. Prerequisite: Graduate standing.

402 TEACHING COMPOSITION**3 sem. hrs.**

Introduction to theory, research, and practice in the teaching of composition. Required for students with teaching assistantships in composition at ISU.

403 POETICS**3 sem. hrs.**

Study of theories, techniques, and cultural contexts of poetry and poets, emphasizing historical and sociological perspectives.

404 NARRATIVITY AND THEORY**3 sem. hrs.**

Analysis of the development of narrative form and theory.

**409 TEACHING OF WRITING IN
HIGH SCHOOL/MIDDLE SCHOOL****3 sem. hrs.**

Improving the quality of writing instruction in middle and high schools. Topics: .01 Major Figures in the Teaching of Writing; .02 Issues of Grammar; .03 Writing Assessment; .04 Using Technology to Teach Writing; .05 Applying Rhetoric to Teaching of Writing; .06 The Writing Project. Prerequisite: Middle or Secondary School certification or consent of instructor.

413 MEDIEVAL LITERATURES AND CULTURES**3 sem. hrs.**

Topics in the literatures and cultures of England from the 8th to the 16th century.

**414 STUDIES IN SIXTEENTH-CENTURY
BRITISH LITERATURE****3 sem. hrs.**

Several important authors such as More, Sidney, and Spenser, or a particular literary movement or genre.

**415 STUDIES IN SEVENTEENTH-CENTURY
BRITISH LITERATURE****3 sem. hrs.**

Selected seventeenth-century writers such as Bacon, Donne, Jonson, Herbert, Bunyan, (excluding Milton), or a particular literary movement or genre.

**416 STUDIES IN EIGHTEENTH-CENTURY
BRITISH LITERATURE****3 sem. hrs.**

Important authors of the period, such as Dryden, Pope, Swift, Johnson, or a particular movement or genre.

**417 STUDIES IN ROMANTIC BRITISH
LITERATURE****3 sem. hrs.**

Selected movements, genres, or authors such as Blake, Wordsworth, Coleridge, Byron, Shelley, Keats.

**418 STUDIES IN VICTORIAN BRITISH
LITERATURE****3 sem. hrs.**

Authors in the period 1832-1901, such as Browning, Carlyle, Tennyson, Mill, Arnold.

**419 STUDIES IN CONTEMPORARY
BRITISH LITERATURE****3 sem. hrs.**

Several figures such as Yeats, Joyce, Thomas, Pinter, or a movement or genre.

422 STUDIES IN SHAKESPEARE**3 sem. hrs.**

Major critical problems in representative plays of Shakespeare.

428 STUDIES IN DRAMA**3 sem. hrs.**

Advanced study in selected works and topics from English, American, and Continental drama. May be repeated if content different.

**431 STUDIES IN AMERICAN
LITERATURE 1500-1830****3 sem. hrs.**

Figures, movements, or genres in the Puritan, Classical, and early Republican periods.

**432 STUDIES IN AMERICAN
LITERATURE 1830-1870****3 sem. hrs.**

Figures, movements, or genres in the American Romantic Period, treating authors such as Poe, Hawthorne, Emerson, Melville, Whitman.

**433 STUDIES IN AMERICAN LITERATURE
1870-1920****3 sem. hrs.**

Figures, movements, or genres in the American Realistic-Naturalistic Period, treating authors such as Dickinson, Clemens, James, Crane, Dreiser.

**434 STUDIES IN CONTEMPORARY
AMERICAN LITERATURE****3 sem. hrs.**

Figures, movements, or genres in American literature since 1920, treating authors such as Eliot, Fitzgerald, Hemingway, Steinbeck, Faulkner.

440 STUDIES IN ENGLISH LINGUISTICS**3 sem. hrs.**

Advanced study and research in various aspects of the English language. Prerequisite: ENG 341 or equivalent. May be repeated if content different.

**441 THE LINGUISTIC STRUCTURE OF ENGLISH
FOR TESOL PROFESSIONALS****3 sem. hrs.**

Advanced study of the morphology and syntax of Modern English in preparation for teaching English to speakers of other languages. Prerequisite: ENG 341.

**445 TEACHING OF COMPOSITION IN
THE COMMUNITY COLLEGE****3 sem. hrs.**

Methods for applying rhetorical theory to the teaching of writing.

447 CREATIVE WRITING SEMINAR
3 sem. hrs.

Practice in the writing of either poetry or fiction for graduate level or professional writers. Available as 447.01 Creative Writing Seminar: Poetry; 447.02 Creative Writing Seminar: Prose (may be repeated for maximum of 12 hours). Consent of instructor. May be repeated.

450 STUDIES IN ANCIENT LITERATURE
3 sem. hrs.

Selected readings from antiquity, mostly Biblical and classical, with consideration of Eastern literature.

451 TOPICS IN TECHNICAL WRITING
3 sem. hrs.

Advanced study of selected topics in the theoretical and interdisciplinary underpinnings of technical writing. Prerequisite: ENG 349 or consent of instructor.

452 THE TEACHING OF TECHNICAL WRITING
3 sem. hrs.

Inquiry into the issues, methods, and resources involved in teaching technical writing at the college level. Prerequisite: ENG 349 and either 449 or 451 recommended.

456 STUDIES IN MODERN WORLD LITERATURE
3 sem. hrs.

Figures, movements, or genres in World Literature from the mid-nineteenth century to the present, including authors such as Dostoevsky, Tolstoy, Camus, Mishima, Solzhenitsyn. May be repeated if content different.

460 FEMINIST LITERARY THEORIES
3 sem. hrs.

Advanced overview of interdisciplinary feminist paradigms, emphasizing English Studies and literature, theory, and social discourse.

465 STUDIES IN AFRICAN AMERICAN LITERATURE AND CULTURE
3 sem. hrs.

Figures, genres, or critical-historical issues in African American literature and culture from the Middle Passage to the present. May be repeated if content different.

466 NATIVE AMERICAN DISCOURSES, LITERATURES, AND RHETORICS
3 sem. hrs.

Native American discourses as a central world-intellectual complex. Trends in Native American Studies; theories and ethics in research pedagogy. Prerequisite: Master's or doctoral student in any department/school or consent of instructor.

467 TECHNOLOGY AND ENGLISH STUDIES
3 sem. hrs.

Critical examination of the impact of digital technology on a selected field within English Studies. Prerequisites: ENG 401 or consent of instructor.

470 STUDIES IN CHILDREN'S LITERATURE
3 sem. hrs.

Topics in texts for children and adolescents: genres, authors, critical approaches, themes, or historical developments. May be repeated if content different.

471 CRITICAL THEORIES IN CHILDREN'S LITERATURE
3 sem. hrs.

An introduction to the issues of critical theory in children's and adolescent literature. May be repeated if content different.

482 STUDIES IN LITERARY CRITICISM
3 sem. hrs.

Problems or topics in literary criticism and theory. May be repeated if content different.

483 STUDIES IN RHETORIC AND STYLE
3 sem. hrs.

Historical survey of theories of language, rhetoric, and prose style. Prerequisite: ENG 241 or 310 or equivalent or consent of instructor. May be repeated if content different.

486 STUDIES IN THE ENGLISH NOVEL
3 sem. hrs.

Topics in the development of the English novel, with attention to particular techniques, figures, themes or movements. May be repeated if content different.

487 STUDIES IN THE AMERICAN NOVEL
3 sem. hrs.

Topics in the development of the American novel, with attention to particular techniques, figures, themes or movements. May be repeated if content different.

490 PRO-SEMINAR IN TESOL PEDAGOGY
1 sem. hr.

Provides students and faculty an opportunity to exchange information, present research, and examine professional and pedagogical issues in TESOL. Prerequisites: ENG 344 and 441.

491 INTERNSHIP IN COLLEGE TEACHING OF ENGLISH
3 sem. hrs.

Supervised teaching at a cooperating community college or university. See C&I 491.

492 RECENT RESEARCH IN THE ENGLISH LANGUAGE ARTS
3 sem. hrs.

Advanced study of significant research for elementary and junior high levels.

494 WRITING ASSESSMENT IN COLLEGES AND UNIVERSITIES
3 sem. hrs.

History, theory, and practice of post-secondary writing assessment. Grading students' writing, large-scale writing assessment, and writing assessment across the curriculum.

495 TOPICS IN ENGLISH
1-3 sem. hrs.

Advanced study and research in an announced area of language or literature. May be repeated if content different.

496 THEORY AND RESEARCH IN RHETORIC AND COMPOSITION STUDIES
3 sem. hrs.

Advanced study of recent theory and research in Rhetoric and Composition Studies.

**497 RESEARCH METHODS IN
COMPOSITION STUDIES**
3 sem. hrs.

Current research issues and methods in composition studies, with emphasis on experimental, formalistic, and naturalistic designs. Prerequisite: ENG 402 or consent of instructor.

**498 PROFESSIONAL PRACTICE:
INTERNSHIP IN ENGLISH**
1-12 sem. hrs.

Supervised field experience in English with local, state, national, and international businesses, agencies, institutions (including colleges and universities), and organizations. Prerequisite: Consent of instructor.

499 MASTER'S THESIS
1-6 sem. hrs.

500 INDEPENDENT STUDY
1-4 sem. hrs.

Directed independent study in an area of English Studies. Prerequisite: Consent of instructor and graduate director.

**510 SEMINAR IN ENGLISH
STUDIES PEDAGOGY**
4 sem. hrs.

Research and study of pedagogical theory in post-secondary English Studies with emphasis on developing self-reflexive pedagogy. Prerequisites: Completion of at least two 500-level seminars and teaching experience.

**540 SEMINAR IN LINGUISTICS AND
LANGUAGE STUDY**
4 sem. hrs.

Research in descriptive, historical, applied, or theoretical linguistics, within the context of English Studies. Prerequisite: ENG 341 or equivalent.

**560 SEMINAR IN LITERATURE
AND CULTURE**
4 sem. hrs.

Research in selected areas of literary and/or cultural study framed within the contexts of pedagogy and English Studies.

**590 SEMINAR IN RHETORIC AND
COMPOSITION STUDIES**
4 sem. hrs.

Research in the configurations of rhetoric and composition studies, with emphasis on English Studies and the post-secondary teaching of writing. Prerequisite: ENG 391, 392, 402, or 400-level composition course.

**591 PRACTICUM (INTERNSHIP) IN
COLLEGE TEACHING**
4 sem. hrs.

Teaching of lower-division English courses with emphasis upon new techniques; under faculty direction, at Illinois State University or off campus; in conjunction with tutorial meetings. Prerequisite: completion of doctoral course work.

599 RESEARCH AND DISSERTATION
1-15 sem. hrs.

Research involving the gathering of materials and data and the writing of a dissertation.

GEOGRAPHY-GEOLOGY (GEO)

206 Felmley Hall, (309) 438-7649
www.geo.ilstu.edu

Chairperson: David Malone. Office: Felmley Hall 206.

Graduate Program Director: Eric Peterson.

Graduate Faculty: A. Bloom, D. Budikova, H. Conley, J. Day, T. Dogwiler, J. Haas, E. King, J. Kostelnick, D. Malone, E. Miller, R. Nelson, E. Peterson, A. Pugin, M. Sublett, S. Van der Hoven.

University Regulations

In addition to the requirements of the individual graduate program, all students are subject to university regulations detailed in the front of the Graduate Catalog. Below is a summary of the most commonly referenced regulations. To locate full details of each regulation, use the index at the end of the catalog.

Academic Good Standing: A 3.00 minimum cumulative graduate GPA is required for graduation and for all courses and activities that require good academic standing.

Course Numbering System, Course Offerings: Some 300- and 400-level courses will not count toward graduate degrees. Any 300-level courses not listed in the Graduate Catalog are undergraduate credit only and are not available for graduate credit. Courses numbered 399 and 429 may be taken for graduate credit but do not count toward a graduate degree.

Use of credit hours from the course group 393, 397, 400, 493, 498 toward a degree is limited. No more than 9 hours total from this group count toward the degree. No more than 6 of the 9 hours may come from 400. Review degree requirements and count previous hours taken from this group before enrolling, since once the limit is reached, no more hours from this group will apply toward the degree.

Use of thesis/dissertation hours toward a degree is limited.

Student-at-Large: Courses taken as a student-at-large do not count toward the degree unless recommended by the degree program. Limit of 12 hours.

Transfer of Credit: Transfer courses must meet university qualifications and be approved by the program and Graduate School. No transfer of the following: courses with grade lower than B, independent study, courses from non-accredited universities, courses used toward another degree, courses over six years old when student first registered for the ISU degree program. No transfer credit is counted toward 400-level hours requirement. Request for Transfer of Credit form is posted at www.grad.ilstu.edu/plans.

Time Limitations: Degree completion is subject to university time limitations. Students who do not meet the time limit may be required to retake courses.

Readmission of Former Students: A lapse in registration of one calendar year or more requires application for readmission to the university.

Continuous Registration: Thesis and dissertation students must maintain continuous registration. Students generally enroll in 499 Master's Thesis or 599 Doctoral Dissertation. Under certain circumstances 499.01, 499.90, 599.01, or 599.90 may be appropriate.

Master of Science in Hydrogeology

The M.S. in Hydrogeology is the sole graduate program offered by the department and focuses specifically on groundwater as a dynamic resource and as a component of environmental science. The program prepares graduates for careers in the areas of groundwater resources, the environmental protection of those resources, and environmental problems of a hydrogeologic nature, or for advanced study.

Unconditional admission to the program requires students to have completed a baccalaureate degree in geology or earth science. Students with degrees from other natural sciences and engineering may apply, and course deficiencies will be determined from transcript evaluation. A plan of study will be developed to allow students to overcome any deficiencies. A minimum of two courses each in chemistry, physics and calculus is required for unconditional admission. A minimum "B" average in prior geology course work is also required. Scores from the general aptitude (only) Graduate Record Exam, transcripts of all college level course work, a statement of purpose, and three letters of recommendation must be submitted. The statement of purpose and letters of recommendation are mailed directly to the Department. Admission standards of the Graduate School must be met.

Master's degree candidates may choose either of two options.

Option 1: Thirty-two hours of credit and the completion and oral defense of a written master's thesis.

Option 2: Thirty-two hours of credit and a comprehensive examination.

Each option requires the completion of a group of core courses (18 hours): GEO 360, 410, 435, 439, 456, and 488. Option 1 requires 4-6 credits of thesis research GEO 499. Students who are admitted into the program with undergraduate credit in GEO 360 will be required to take an additional graduate course.

Hydrogeology Courses

303 GEOGRAPHIC INFORMATION SYSTEMS

3 sem. hrs.

Fundamental principles of geographic information systems; emphasis on raster and vector based systems and their applications to spatial analysis. Prerequisites: GEO 204 or consent of instructor.

304 GEOGRAPHIC INFORMATION SYSTEMS APPLICATIONS

3 sem. hrs.

Advanced applications in geographic information systems (GIS) with an emphasis on problem solving, advanced GIS analysis techniques, and a survey of vector- and raster-based GIS software and databases. Prerequisites: GEO 303 required; MAT 120 recommended.

305 REMOTE SENSING I

3 sem. hrs.

Basic principles of remote sensing, image interpretation, photogrammetry, and digital image processing. Prerequisite: GEO 204, 238, or consent of instructor.

306 REGIONAL AND AREA STUDIES

1-9 sem. hrs.

Intensive on-site study of particular lands, environments, cultures, and people. Field work required. Prerequisite: Consent of instructor.

308 QUANTITATIVE METHODS IN GEOGRAPHY II

3 sem. hrs.

Use and interpretation of basic statistical techniques in geographical problems. Prerequisite: GEO 204.

341 CLIMATE AND GLOBAL ENVIRONMENTAL CHANGE

3 sem. hrs.

Overview of concepts, methods, theory, and debates surrounding climate and global environmental change. Prerequisites: GEO 204; GEO 200 or 211; GEO 201 or consent of instructor.

346 APPLIED CLIMATOLOGY

3 sem. hrs.

Practical applications of climatology. Collection of primary and secondary climate data, and analysis and interpretation of climate data. Prerequisite: GEO 100 or 211 or consent of instructor; course in statistics recommended.

360 GROUNDWATER GEOLOGY

3 sem. hrs.

Groundwater occurrence and movement, aquifer evaluation, field and lab measurements, contamination and other applications. Field trips required. Prerequisite: GEO 203; MAT 146.

361 HYDROLOGY

3 sem. hrs.

Introduction to hydrology, including all components of the hydrologic cycle, field and lab measurements, data acquisition, and quantitative problem solving. Three Saturday field trips required. Prerequisite: MAT 145 or consent of instructor.

362 ENGINEERING GEOLOGY

3 sem. hrs.

Engineering applications of geology, construction problems of geologic origin and their engineering solutions. Field trips required. Prerequisites: GEO 203; MAT 146; and PHY 108 or consent of instructor.

364 EXPLORATION GEOPHYSICS

3 sem. hrs.

Principles of exploration geophysics and the techniques that are used to study subsurface environments. Subjects reviewed include: stress and strain, information theory, seismic, gravity, magnetics, electrical resistivity, electromagnetic conductivity, ground penetrating RADAR, and borehole logging. Prerequisites: GEO 203, MAT 146, and PHY 108.

370 URBAN AND REGIONAL PLANNING

3 sem. hrs.

Introduction to the planning process and the major elements used in plan implementation such as zoning regulations, subdivision regulations, and the official map. Field research may be required. Prerequisites: GEO 204 or consent of instructor.

380 GEOMORPHOLOGY

3 sem. hrs.

Origin, classification, description, and interpretation of landforms. Field trips required. Prerequisite: GEO 100, 102, or 105.

382 GLACIAL AND QUATERNARY GEOLOGY
3 sem. hrs.

Development of glaciers, glacial movements, deposits, and landforms as background for discussion of present landscapes. Field trips required. Prerequisite: GEO 100, 102, or 105.

385 INVERTEBRATE PALEONTOLOGY
4 sem. hrs.

Examination and analysis of major fossil invertebrate phyla; emphasis on groups with paleoecologic and stratigraphic significance. Lecture and lab. Field work required. Prerequisites: GEO 203 required; BSC 196 recommended.

395 FIELD GEOLOGY
6 sem. hrs.

Application of geologic principles to field mapping and interpretation in the Black Hills and Central Rocky Mountains. Offered in the summer only. Prerequisites: GEO 280, 285, 290, 295, and 296.

410 SEMINAR IN HYDROGEOLOGY RESEARCH
3 sem. hrs.

How research is conducted in hydrogeology; formulating questions, designing experiments, writing and evaluating research proposals, and obtaining funding. Prerequisite: Graduate standing in Hydrogeology.

435 INTRODUCTION TO GROUNDWATER MODELING
3 sem. hrs.

Advanced study of the mathematics of fluid flow and the formulation of groundwater systems by computer modeling. Methods of computer modeling of pumping tests and groundwater flow systems. Prerequisites: GEO 360 and MAT 145 or equivalents.

439 AQUEOUS GEOCHEMISTRY
3 sem. hrs.

Examination of processes controlling chemical composition of groundwater from a thermodynamic point of view. Display and interpretation of geochemical data, and geochemistry of contaminants. Prerequisites: GEO 360, CHE 140, 141 or consent of instructor.

444 APPLIED GROUNDWATER MODELING
3 sem. hrs.

Applications of groundwater computer models to simulate flow, optimize development strategies, and remediate pollution problems in actual aquifers systems. Students assemble available information, develop and run computer simulations, and prepare professional reports. Prerequisite: GEO 435.

452 CONTAMINANT TRANSPORT
3 sem. hrs.

Examination of physical and chemical processes that control movement of contaminants in groundwater. Strategies for remediating contaminated sites; state and federal regulations governing remediation. Field trips required. Prerequisite: GEO 360 or equivalent or consent of instructor.

456 PROBLEMS IN ENVIRONMENTAL GEOLOGY
3 sem. hrs.

Students gain first-hand experience in collecting hydrogeologic data, reducing and displaying data, making interpretations and drawing conclusions, and producing a professional report of findings. Offered in summer only. Field trip and field work required. Prerequisite: Consent of instructor.

488 GRADUATE TOPICS IN HYDROGEOLOGY
2-3 sem. hrs.

Specific topics having hydrogeologic consequences. Topics include Lab and Field Methods in Geochemistry (3 sem. hrs.), Statistics for Geologists (3 sem. hrs.), Karst Hydrology (3 sem. hrs.), and Isotope Geochemistry (3 sem. hrs.).

499 MASTER'S THESIS
1-6 sem. hrs.

The following Geography-Geology courses are appropriate to master's students in programs other than Hydrogeology.

300 CARTOGRAPHY
3 sem. hrs.

Theory and techniques regarding graphic representation of statistical data, including compilation, drafting, and reproduction of various types of thematic maps. Drafting supplies required. Prerequisite: GEO 204.

310 FIELD GEOGRAPHY
3 sem. hrs.

Techniques for the systematic acquisition and interpretation of geographic field data. Includes an introduction to Orienteering. Field work required. Prerequisite: 9 hrs. of geography required.

331 CULTURAL GEOGRAPHY
3 sem. hrs.

Advanced course in the field and methodology of cultural geography, with an emphasis on the study of place and culture in a globalizing world. Field trip required. Prerequisites: GEO 135 or 140 or consent of instructor.

334 POLITICAL ECOLOGY
3 sem. hrs.

Critical examination of how socio-political and economic systems, processes, and practices are linked globally with contemporary environmental problems. Prerequisite: GEO 205 or consent of instructor.

336 URBAN GEOGRAPHY
3 sem. hrs.

Internal morphology, external relationships, and other spatial aspects of cities.

338 LIFE AND LANDSCAPE
3 sem. hrs.

Cultural landscapes and folklife in North America and Western Europe. Field work required. Individualized instruction. Prerequisite: GEO 135 or consent of instructor required.

339 MEDICAL GEOGRAPHY
3 sem. hrs.

Investigates the major research themes in medical geography, including health-environment interactions, spatial patterns and analysis, and health care systems. Field work required. Individualized instruction. Prerequisite: GEO 204 or consent of instructor.

345 PROBLEMS IN CONSERVATION AND OUTDOOR RECREATION
3 sem. hrs.

Investigation of specific problems in conservation and resource use including outdoor recreational resources. Prerequisite: GEO 205.

351 CARTOGRAPHIC PROCESSES 3 sem. hrs.

Advanced techniques in design, production, and reproduction of maps. Prerequisite: A or B in GEO 300 required. Materials charge optional.

383 MAPS AND MENTALITIES 3 sem. hrs.

Survey of maps and their makers in Western history, from the ancient period to the present. Prerequisites: GEO 204; or HIS 101 or 102, 135 or 136, and 200 or consent of instructor. Also offered as HIS 383.

HISTORY (HIS)

301 Schroeder Hall, (309) 438-5641
www.history.ilstu.edu

Department Office: Schroeder Hall 301.

Graduate Program Director: Clifton Jones. Office: Schroeder Hall 304.

Graduate Faculty: A. Adedze, A. Beier, L. Beier, R. Biles, K. Ciani, R. Clemens, L. Clemmons, A. Crubaugh, A. Hartman, R. Hughes, R. Kennedy, A. Lessoff, I. Nassar, M. Noraian, P. Olsen, K. Paehler, L. Perez, W. Philpott, T. Reed, W. Reger, R. Soderlund, G. Tsouvala, C. Varga-Harris, S. Winger, A. Wood.

University Regulations

In addition to the requirements of the individual graduate program, all students are subject to university regulations detailed in the front of the Graduate Catalog. Below is a summary of the most commonly referenced regulations. To locate full details of each regulation, use the index at the end of the catalog.

Academic Good Standing: A 3.00 minimum cumulative graduate GPA is required for graduation and for all courses and activities that require good academic standing.

Course Numbering System, Course Offerings: Some 300- and 400-level courses will not count toward graduate degrees. Any 300-level courses not listed in the Graduate Catalog are undergraduate credit only and are not available for graduate credit. Courses numbered 399 and 429 may be taken for graduate credit but do not count toward a graduate degree.

Use of credit hours from the course group 393, 397, 400, 493, 498 toward a degree is limited. No more than 9 hours total from this group count toward the degree. No more than 6 of the 9 hours may come from 400. Review degree requirements and count previous hours taken from this group before enrolling, since once the limit is reached, no more hours from this group will apply toward the degree.

Use of thesis/dissertation hours toward a degree is limited.

Student-at-Large: Courses taken as a student-at-large do not count toward the degree unless recommended by the degree program. Limit of 12 hours.

Transfer of Credit: Transfer courses must meet university qualifications and be approved by the program and Graduate School. No transfer of the following: courses with grade lower than B, independent study, courses from non-accredited universities, courses used toward another degree, courses over six years old when student first registered for the ISU degree program. No transfer credit is counted toward 400-

level hours requirement. Request for Transfer of Credit form is posted at www.grad.ilstu.edu/plans.

Time Limitations: Degree completion is subject to university time limitations. Students who do not meet the time limit may be required to retake courses.

Readmission of Former Students: A lapse in registration of one calendar year or more requires application for readmission to the university.

Continuous Registration: Thesis and dissertation students must maintain continuous registration. Students generally enroll in 499 Master's Thesis or 599 Doctoral Dissertation. Under certain circumstances 499.01, 499.90, 599.01, or 599.90 may be appropriate.

Master's Degree in History

Admission Requirements

The department requires for admission to the master's program an undergraduate degree in history or a related field; 3.0 GPA in the last 60 hours of undergraduate work and any graduate credits earned; a sample of written work of at least five pages; two letters of recommendation; and a letter of application (optimum length 250 words) describing the candidate's background, interests, and objectives. Admissions applications and transcripts should be sent to the Office of Admissions. Writing samples, letters of recommendation, and letters of application should be sent directly to the Graduate Program Director, Department of History. Application deadlines are March 15 for fall admission and October 15 for spring admission.

For additional information, visit the department Web site at www.history.ilstu.edu. To request the "Guide to the Master's Degree in History," contact: Graduate Secretary, Illinois State University, Department of History, Normal IL 61790-4420.

Degree Requirements

The master's program in History offers two degrees and two options.

A student may pursue either of the two degrees.

Master of Arts: This degree is awarded to a student who has completed one of the options described below, a minimum of two years of study in foreign language at the university level (equivalent of completion of FOR 116) or a satisfactory score on a University administered foreign language test, and a minimum of 32 semester hours of graduate-level credit in humanities and social sciences beyond the language requirement.

Master of Science: This degree is awarded to a student who has completed one of the options described below.

A student may choose either of two options.

Option 1: Thirty-two hours of credit including a master's thesis. The thesis may be based on research in primary sources or may be an analysis of a selected problem from historical literature. The thirty-two hours must include HIS 496, 497, and 499 (thesis credit: four to six semester hours), plus sixteen additional hours at the 400 level. Students choosing this option are strongly advised to take no more than one 300-level course.

Option 2: Thirty-nine hours of credit and two revised seminar papers. The thirty-nine hours must include HIS 496 and 497, plus twenty additional semester hours at the 400 level. The papers must be submitted to the Graduate Program Director for evaluation by the middle of the student's last semester. Students must declare the choice of option in a Plan of Study, which must be submitted to the Graduate Program Director in the student's first semester.

Course Requirements

All master's candidates are required to take HIS 496 and 497 in their first two semesters. The courses need not be taken in sequence, but they are co-requisites or prerequisites of all other 400-level work in History.

Areas of Specialization in Master's Study

Students are encouraged to focus their studies on some of the distinctive areas of strength in the department's graduate curriculum. These include European cultural and social history; history education; global history and the contemporary world; and the Americas. Although the program does not have a formal "breadth" requirement, students are also encouraged to look beyond their area of specialization. For example, those focusing on the Americas should take courses in European and global history, and vice-versa.

Students are strongly advised to take graduate courses in other related disciplines such as Art, English, Foreign Languages, Philosophy, Politics and Government, and Sociology-Anthropology. Up to eight hours credit from classes in other departments may be used in History master's degree programs providing written permission is received from the History graduate director prior to enrollment and the courses are included on the approved Plans of Study.

Courses

306 REGIONAL AND AREA STUDIES 1-9 sem. hrs.

Intensive study of particular lands, environments, cultures, and peoples. Prerequisite: Any 200-level HIS course or consent of instructor. May be repeated if content different, for maximum of 6 semester hours. Materials charge optional.

307 SELECTED TOPICS IN NON-WESTERN HISTORY 3 sem. hrs.

The study of non-Western history through a topical approach. Topics will vary from semester to semester. May be taken for multiple credit. Prerequisites: HIS 103, 104, 125, 126, 127, 128, 263, 265, 266, 271, 272, 275, 276, or IDS 203; and HIS 200 or consent of instructor. May be repeated if content different, for maximum of 6 semester hours.

308 SELECTED TOPICS IN EUROPEAN HISTORY 3 sem. hrs.

The study of European history through a topical approach. Topics will vary from semester to semester. Prerequisites: HIS 101, 102, and 200 or consent of instructor. May be repeated if content different, for maximum of 6 semester hours.

309 SELECTED TOPICS IN UNITED STATES HISTORY 3 sem. hrs.

This course focuses on a specific topic or era of United States history, emphasizing conflicting interpretations and use of primary sources. Prerequisites: HIS 135 and 136; HIS 200 or consent of instructor. May be repeated if content different, for maximum of 6 semester hours.

310 NATIVE AMERICAN HISTORY 3 sem. hrs.

An examination of the major themes and events of Native American history and culture from pre-Columbian times to the present. Prerequisite: HIS 135 or 136, or consent of instructor.

311 AGE OF THE AMERICAN REVOLUTION 3 sem. hrs.

The emergence of the United States as an independent nation from 1763 to the Constitutional Convention in 1787.

315 SLAVERY AND THE OLD SOUTH 3 sem. hrs.

Historiography of slavery and the pre-Civil War South. Prerequisite: HIS 135 or 257 or consent of instructor.

320 LINCOLN: THE MAN AND HIS TIMES 3 sem. hrs.

Attention directed especially toward the work of Lincoln in Illinois, his leadership during the Civil War, and his relationship with people and events of his time. Prerequisite: Any 200-level American History course or consent of instructor.

322 AMERICAN URBAN HISTORY 3 sem. hrs.

Survey of the history of the American city from the Colonial Era to the present. Prerequisite: ECO 238, GEO 204, HIS 200, POL, 209, SOC 271, or consent of instructor.

323 AMERICAN CULTURAL AND INTELLECTUAL HISTORY, 1620-1860 3 sem. hrs.

American progress in the fine arts, philosophy, literature, and science from Puritan times to 1860. Prerequisite: HIS 135 or consent of instructor.

324 AMERICAN CULTURAL AND INTELLECTUAL HISTORY, 1860-PRESENT 3 sem. hrs.

The impact of naturalism, industrialization, secularization, and urbanization upon American culture since 1860. Prerequisite: HIS 136 or consent of instructor.

325 PROBLEMS IN TWENTIETH-CENTURY UNITED STATES CONSTITUTIONAL HISTORY 3 sem. hrs.

Major problems in American constitutional history since the Progressive Era: civil rights, freedom of speech and religion, federal-state relations. Prerequisite: Any 200-level American History course or consent of instructor.

329 RURAL LIFE AND SOCIETY IN THE U.S., 1800-PRESENT 3 sem. hrs.

Examines American rural society from 1800 to the present, with emphasis on the impact of change upon farming communities. Prerequisite: 100- or 200-level U.S. History course or consent of instructor.

330 THE FAMILY IN HISTORY**3 sem. hrs.**

History of the family in Europe and America, viewing the changes from idealist, economic determinist, family systems, and psychoanalytic perspectives. Prerequisite: 100- or 200-level History course or consent of instructor.

335 THE HOLOCAUST: THE EVENT AND ITS AFTERMATH**3 sem. hrs.**

Study of the Holocaust, frequently regarded as the defining event of the 20th century, its pre-history, and its aftermath.

345 FRENCH REVOLUTION AND NAPOLEON, 1789-1815**3 sem. hrs.**

Society, culture, and government under the monarchy; destruction of the old order; rise and fall of Napoleonic France. Prerequisite: Any 200-level Eur HIS or consent of instructor.

351 ANCIENT NEAR EAST**3 sem. hrs.**

Study of the civilizations of Mesopotamia and Egypt from the neolithic period to 500 B.C. Prerequisite: a 200-level or 300-level non-U.S. HIS course or consent of instructor.

355 POPULAR CULTURE IN EARLY MODERN EUROPE**3 sem. hrs.**

History of the culture of the common population of Europe 1400-1800: Pre-conditions, formation, principal elements, decline of the culture.

356 THE ENLIGHTENMENT**3 sem. hrs.**

Intellectual and social history of the western world during the 18th century. Prerequisite: HIS 102 or consent of instructor.

357 LATE MEDIEVAL AND EARLY MODERN BRITAIN**3 sem. hrs.**

Selected topics in British history, c. 1350-c. 1750. Prerequisite: HIS 231 or consent of instructor. Not for credit if had HIS 226, 227, 359, or 360.

366 SOVIET RUSSIA**3 sem. hrs.**

Study of communist revolution, culture, and dictatorship and its transformation into a contemporary European democracy.

373 HISTORY OF MODERN CHINA**3 sem. hrs.**

Concentrates on the Western and Chinese collision since the 1800s and the responses of traditional, national, and contemporary China to modernization.

375 HISTORY OF MODERN JAPAN**3 sem. hrs.**

Concentrates on Japan's modernization, goals of Meiji leaders, contradictory tendencies of pre-war Japan, and contemporary Japan.

378 ISLAM**3 sem. hrs.**

In-depth study of Islam, focusing on ideas rather than events. Topics include law, mysticism, art and resurgent Islam.

383 MAPS AND MENTALITIES**3 sem. hrs.**

Survey of maps and their makers in Western history, from the ancient period to the present. Prerequisites: GEO 204; or HIS 101 or 102, 135 or 136, and 200 or consent of instructor. Also offered as GEO 383.

390 HISTORY-SOCIAL SCIENCE TEACHING METHODOLOGY II**3 sem. hrs.**

History-Social Sciences materials, use of instructional models, and clinical experiences. Must be completed prior to student teaching. Prerequisites: C or better in HIS 290 and C&I 216 or concurrent registration and admission to Teacher Education. Includes clinical experiences.

394 ORAL HISTORY**3 sem. hrs.**

The comprehensive study and use of oral history as a research tool, and its application as a teaching technique. Prerequisite: HIS 135 or 136 or consent of instructor.

395 ARCHIVES AND MANUSCRIPTS**3 sem. hrs.**

Nature, acquisition, processing, and use of archives and manuscripts. Emphasis on theory and principles with practical exercises. Prerequisite: Any 200-level HIS course or consent of instructor.

402 SEMINAR IN EUROPEAN HISTORY**4 sem. hrs.**

Prerequisite: Graduate status. May be repeated if content different.

403 SEMINAR: TOPICS IN EARLY MODERN EUROPEAN HISTORY**4 sem. hrs.**

Advanced study of selected topics and geographical regions of Europe from 1450-1789. May be repeated if topic different.

405 PRACTICUM IN HISTORY TEACHING**4 sem. hrs.**

Pedagogic instruction in the theory and practice of teaching. Includes participation in instructing in the classroom. Prerequisite: Consent of History graduate advisor.

407 MENTORSHIP IN THE TEACHING OF HISTORY AND THE SOCIAL SCIENCES**1-3 sem. hrs.**

Practicing classroom teachers design mentoring strategies for pre-service teachers seeking undergraduate and graduate degrees. Prerequisite: Consent of instructor. May be repeated for credit.

411 SEMINAR: TOPICS IN EARLY AMERICAN HISTORY**4 sem. hrs.**

Prerequisite: Graduate status. May be repeated if content different.

412 SEMINAR: TOPICS IN NINETEENTH-CENTURY UNITED STATES HISTORY**4 sem. hrs.**

Prerequisite: Graduate status. May be repeated if content different.

414 SEMINAR: CIVIL WAR AND RECONSTRUCTION

4 sem. hrs.

Prerequisite: Graduate status.

417 SEMINAR: TOPICS IN TWENTIETH-CENTURY UNITED STATES HISTORY

4 sem. hrs.

Prerequisite: Graduate status. May be repeated if content different.

421 SEMINAR: TOPICS IN AMERICAN RACIAL AND ETHNIC HISTORY

4 sem. hrs.

Prerequisites: HIS 273 or consent of instructor. Graduate status. May be repeated if content different.

424 SEMINAR: TOPICS IN AMERICAN CULTURAL AND SOCIAL HISTORY

4 sem. hrs.

Prerequisite: Graduate status. May be repeated if content different.

428 SEMINAR: AMERICAN DIPLOMACY

4 sem. hrs.

Prerequisite: Graduate status.

432 SEMINAR: TOPICS IN LOCAL AND PUBLIC HISTORY

4 sem. hrs.

Prerequisite: Graduate status. May be repeated if content different.

441 SEMINAR: EUROPEAN INTELLECTUAL HISTORY

4 sem. hrs.

Prerequisite: Graduate status.

468 SEMINAR: MODERN RUSSIA

4 sem. hrs.

Prerequisite: Graduate status.

478 SEMINAR: TOPICS IN GLOBAL HISTORY

4 sem. hrs.

Advanced study of selected topics in the history of Africa, Asia, indigenous peoples, Latin America, and the Middle East in global context. May be repeated if content different.

496 PHILOSOPHY OF HISTORY AND HISTORIOGRAPHY

4 sem. hrs.

Examination of the philosophical bases for historical study with review of the development of historical knowledge and the historical profession. Prerequisite: Graduate status.

497 RESEARCH IN HISTORY

4 sem. hrs.

Identifying, collecting, verifying, and organizing historical data and writing history. Preparation for writing theses, dissertations, and other research. Prerequisite: Graduate status.

498 PROFESSIONAL PRACTICE: PUBLIC/APPLIED HISTORY

1-12 sem. hrs.

Supervised practical experience in a professional capacity in archives, business, government, historic preservation, historical archeology, historical editing, historical society or museum work. Prerequisites: 10 hours of graduate course work including HIS 497 and one seminar; completion of application procedures. Graduate status.

499 MASTER'S THESIS

1-6 sem. hrs.

LANGUAGES, LITERATURES, AND CULTURES (LAN)

114 Stevenson Hall, (309) 438-3604

www.llc.ilstu.edu

Chairperson: Daniel Everett. Office: Stevenson Hall 114.**Graduate Program Director:** Maria Pao.**Graduate Faculty:** J. Alstrum, B. Burningham, J. Druker, D. Everett, L. Heggie, M. Mir, K. Nance, J. Pancrazio, M. Pao, J. Reid, J. Rosenthal, B. Schmeiser, E. Segelcke, R. Thomas, M. Trouille, J. Van Der Laan, A. Weeks.**University Regulations***In addition to the requirements of the individual graduate program, all students are subject to university regulations detailed in the front of the Graduate Catalog. Below is a summary of the most commonly referenced regulations. To locate full details of each regulation, use the index at the end of the catalog.***Academic Good Standing:** A 3.00 minimum cumulative graduate GPA is required for graduation and for all courses and activities that require good academic standing.**Course Numbering System, Course Offerings:** Some 300- and 400-level courses will not count toward graduate degrees. Any 300-level courses not listed in the Graduate Catalog are undergraduate credit only and are not available for graduate credit. Courses numbered 399 and 429 may be taken for graduate credit but do not count toward a graduate degree.**Use of credit hours from the course group 393, 397, 400, 493, 498 toward a degree is limited.** No more than 9 hours total from this group count toward the degree. No more than 6 of the 9 hours may come from 400. Review degree requirements and count previous hours taken from this group before enrolling, since once the limit is reached, no more hours from this group will apply toward the degree.**Use of thesis/dissertation hours toward a degree is limited.****Student-at-Large:** Courses taken as a student-at-large do not count toward the degree unless recommended by the degree program. Limit of 12 hours.**Transfer of Credit:** Transfer courses must meet university qualifications and be approved by the program and Graduate School. No transfer of the following: courses with grade lower than B, independent study, courses from non-accredited universities, courses used toward another degree, courses over six years old when student first registered for the ISU degree program. No transfer credit is counted toward 400-level hours requirement. Request for Transfer of Credit form is posted at www.grad.ilstu.edu plans.**Time Limitations:** Degree completion is subject to university time limitations. Students who do not meet the time limit may be required to retake courses.**Readmission of Former Students:** A lapse in registration of one calendar year or more requires application for readmission to the university.**Continuous Registration:** Thesis and dissertation students must maintain continuous registration. Students generally enroll in 499 Master's Thesis or 599 Doctoral Dissertation. Under certain circumstances 499.01, 499.90, 599.01, or 599.90 may be appropriate.

Master of Arts in Languages, Literatures, and Cultures

The Department of Languages, Literatures, and Cultures offers a flexible program leading to the Master of Arts in Languages, Literatures, and Cultures with a focus on either teaching or non-teaching areas. Students may concentrate on one language, or they may combine study in two. Subject to departmental approval, it is also possible to take up to three graduate courses in other departments or through study abroad. Additional opportunities include earning a certificate in TESOL (Teaching English to Speakers of Other Languages) and teacher certification. Within the major language area students may emphasize cultural studies, language/linguistics, literature or pedagogy. Instruction in courses dealing with the literature and culture of the major field (French, German, Spanish) is generally carried on in the language of specialization. Details about program design and course availability are available from the Department. All individual programs require approval of the Graduate Program Director and the Chairperson.

Admission Requirements

Applicants must have a minimum GPA of 3.0 for the last 60 hours of undergraduate work and must submit two letters of recommendation, which are submitted directly to the Department. They will customarily have an undergraduate major or equivalent in the area they want to pursue. Graduate School admissions requirements are listed elsewhere in this catalog. The Department of Languages, Literatures, and Cultures reserves the right to examine applicants in order to ensure that they are able to understand, speak, and write the language of study with appropriate proficiency. In certain cases additional course work may be required to correct deficiencies.

Academic Requirements

All candidates for the Master of Arts degree in Languages, Literatures, and Cultures must take designated courses in at least three of the following areas: culture, linguistics, literature, and pedagogy; complete a minimum of 33 semester hours of course work with an average 3.0 GPA; and pass a comprehensive examination. The master's thesis is optional. Details about academic requirements may be obtained from the Department of Languages, Literatures and Cultures.

Study in Two Languages

Upon recommendation of the graduate faculty in both languages and approval by the department graduate committee, qualified graduate students may study in two languages. For both languages, the applicant must demonstrate proficiency and prior completion of the work considered prerequisite to graduate study. A minimum of 33 semester hours is required to complete the degree, with the following distribution: 15 at the 400 level (including at least 6 credits at the 400 level in each target language), 15 hours conducted in each target language, and at least three courses (9 credit hours) in the chosen area of each language. (Students anticipating teaching in accredited U.S. community colleges, colleges and universities are advised, however, that most require a minimum of 18 graduate hours in each of the subjects to be taught; applicants who have not completed 18 graduate hours in a given language may be ineligible to teach that language. Students are urged to ascertain the policies of the institutions where they aim to teach and plan accordingly.)

Study Abroad

Students may count up to nine hours of approved courses from outside the department, including study abroad, toward

degree requirements. Financial assistance for the semester abroad is usually available on a competitive basis, subject to availability of funds. The study-abroad opportunity should be discussed with the Graduate Advisor during the student's first semester in the program.

Basic Competency in Instructional Technology

M.A. students have the option to participate in workshops on instructional technology under faculty supervision, earning a statement of basic competency issued by the department. Participation does not affect other program requirements.

Integrated Bachelor of Arts (B.A.) and Master of Arts (M.A.) in Languages, Literatures, and Cultures

The Integrated Bachelor of Arts (B.A.) and Master of Arts (M.A.) in Languages, Literatures, and Cultures enables a student to complete the B.A. and M.A. degrees in five years. It is available to the most promising Illinois State University, non-teacher education majors in French, German, or Spanish. Students with a 3.5 G.P.A. or higher may apply after they have completed at least two 200-level courses.

Applications must be made to Admissions. Two letters of recommendation and a writing sample should be sent to the Department of Languages, Literatures, and Cultures.

Students accepted into the program must have sufficient undergraduate credits (approximately 90 hours) by their senior year in order to take courses for graduate as well as undergraduate credit. They do not normally complete a second undergraduate major.

All regular undergraduate requirements for the B.A. degree outside of the major will apply to candidates for the integrated degree.

Candidates generally take nine hours of graduate credit during their senior year and eighteen (18) hours of graduate credit during their graduate (fifth) year, and one course for joint credit, for the equivalent of thirty (30) graduate hours. Fifteen (15) course hours must be at the 400 level and approved as part of the graduate plan of study. All courses required for the regular B.A. will be completed by the end of the senior year. Should a student decide to leave the integrated B.A./M.A. program and complete only a B.A., all regular undergraduate degree requirements will apply.

The two semesters of graduate study must take place at Illinois State University. B.A./M.A. students are eligible to receive a graduate assistantship during their graduate year and, if they have already completed 120 hours, during the last semester of their fourth year. One hundred forty-seven (147) hours are required for the integrated program. Upon completion of the program, both a Bachelor of Arts degree and a Master of Arts degree will be awarded.

French Sequence: In addition to the 27 hours of graduate study, the French Sequence requires 35 hours of undergraduate study, including French 115, 116, 213, 214, 220, 235 or 335, 305, 395, and three additional 300-level courses approved by the Department.

German Sequence: In addition to the 27 hours of graduate study, the German Sequence requires 35 hours of undergraduate study, including German 115, 116, 211, 213, 217, 218, and six courses at the 300 level approved by the Department.

Spanish Sequence: In addition to the 27 hours of graduate study, the Spanish Sequence requires 33 or 34 hours of undergraduate study, including Spanish 116 or 120, 213, 215, 223, 233, 305; two courses among 323, 324, or 325; and three courses among 310, 311, 336, 337, 360, or 385. Only students beginning study at Spanish 116 or higher are eligible for this Sequence.

All sequences: The 27 graduate hours for all sequences must be completed with an average GPA of 3.0 or higher in at least three of the following areas: culture, linguistics, literature, and pedagogy. Students must pass a comprehensive examination and may choose to write a master's thesis as part of their graduate requirements. Details about academic requirements may be obtained from the Department of Languages, Literatures, and Cultures.

General Courses

300 RESEARCH IN FOREIGN LANGUAGES 1-3 sem. hrs.

Supervised work in a foreign language, in comparative language studies or in educational materials for the foreign language laboratory. Assignments will depend on the preparation and interest of the student. Prerequisite: Consent of department chairperson. May be repeated if content different.

319 PRINCIPLES IN FOREIGN LANGUAGE LEARNING 4 sem. hrs.

Exploration and application of recent scholarship, standards-based instruction and methods of teaching, integrated with field experiences. Prerequisites: B or better in FR 235, SP 213, or GER 310; C or better in C&I 210 and C&I 216 or concurrent registration. Includes Clinical Exp: 35 hrs. Type 1, 2, 5, 9, 10. Admission to Professional Studies. Intermediate High score or above on OPI.

320 FOREIGN LANGUAGE TEACHING IN THE K-12 SETTING 2 sem. hrs.

Methods of teaching foreign languages in K-12 schools. Special emphasis is given to materials and activities leading to mastery. Prerequisite: B or better in LAN 319. Includes Clinical Exp: 12 hours, Type 1, 5, 10. Admission to Professional Studies.

321 INTEGRATING TECHNOLOGY INTO THE FOREIGN LANGUAGE CLASSROOM 2 sem. hrs.

Supplementing the basic methodology of Foreign Language teaching with media materials and the techniques for their use in the language classroom. Prerequisites: C or better in C&I 216 or PSY 215 or concurrent registration; COM 240 recommended.

350 FOREIGN LANGUAGE TESTING AND ASSESSMENT 3 sem. hrs.

Exploration of development and uses of language tests according to current views of foreign language teaching. Prerequisites: FR, GER, or SP 213 or equivalent foreign language proficiency; LAN 319 or 475 recommended.

405 INTRODUCTION TO CULTURAL STUDIES 3 sem. hrs.

An introduction to contemporary theories of culture including ethnography, Marxism, feminism, semiotics. Emphasis on application to France, Germany, Spain and Latin America. May be repeated if content different.

475 FOREIGN LANGUAGE TEACHING METHODOLOGIES AT THE COLLEGE LEVEL 3 sem. hrs.

Survey and applications of methods for teaching foreign language skills to college-level students. Prerequisites: Graduate standing and foreign language proficiency.

480 ADVANCED TOPICS IN FOREIGN LANGUAGE INSTRUCTION 3 sem. hrs.

In-depth exploration of specific issues related to foreign language teaching. Prerequisite: LAN 319 or 475. May be repeated if content different.

485 SELECTED STUDIES IN LINGUISTICS 3 sem. hrs.

Intensive study of a linguistic problem, work, or technique. Content may vary according to interest and needs of students. May be repeated if content different.

490 LITERARY RESEARCH IN FOREIGN LANGUAGES 3 sem. hrs.

Graduate introduction to scholarly research methods and theory of studying literature in its original language. Prerequisite: graduate standing in foreign languages. May be repeated if content different.

491 INTERNSHIP IN COLLEGE TEACHING IN THE FOREIGN LANGUAGES 1-3 sem. hrs.

Credit for this course is given in Curriculum and Instruction. (See C&I 491.)

499 MASTER'S THESIS 1-6 sem. hrs.

French Courses

305 HISTOIRE DE LA CIVILISATION FRANCAISE 3 sem. hrs.

Survey of French culture and civilization from ancient times to the present day. Prerequisites: Two courses beyond FR 116. May be repeated if content different.

314 STUDIES IN CONTEMPORARY FRENCH AND FRANCOPHONE CULTURE 3 sem. hrs.

Selected themes in contemporary French and Francophone culture and society with an emphasis on group work, class discussion, and oral presentations. Prerequisites: Two courses beyond FR 116. May be repeated if content different.

325 SELECTED TOPICS IN FRANCOPHONE LITERATURE AND CULTURE**3 sem. hrs.**

Readings of representative literary works in their cultural contexts written in French by authors residing outside France. Prerequisites: Two courses beyond FR 116. May be repeated if content is different

327 SELECTED TOPICS IN 17TH AND 18TH CENTURY FRENCH LITERATURE AND CULTURE**3 sem. hrs.**

Readings of representative 17th and/or 18th century literary texts in their cultural (philosophical, political, social, economic and/or historical) contexts. Prerequisites: Two courses beyond FR 116. May be repeated if content different.

328 SELECTED TOPICS IN 19TH AND 20TH CENTURY FRENCH LITERATURE AND CULTURE**3 sem. hrs.**

Readings of representative 19th and/or 20th century literary texts in their cultural (philosophical, political, social, economic, or historical) contexts. Prerequisites: Two courses beyond FR 116. May be repeated if content different.

335 COMPARATIVE FRENCH/ENGLISH GRAMMAR AND STYLE**3 sem. hrs.**

Intensive, advanced, comparative grammar and composition, including analysis of stylistic differences between French and English. Prerequisites: FR 235 or permission of instructor.

340 INTRODUCTION TO APPLIED FRENCH LINGUISTICS**3 sem. hrs.**

Principles and methods of objective language analysis applied to relevant issues in the French language and the teaching of French. Prerequisite: FR 235.

385 SELECTED TOPICS IN FRENCH LITERATURE**3 sem. hrs.**

Intensive study of a genre, group of authors or a single major writer in French literature. This study varies each semester. Prerequisites: Two courses beyond FR 116. May be repeated if content different.

405 SEMINAR ON CONTEMPORARY FRENCH CIVILIZATION**3 sem. hrs.**

Intensive study of one or more aspects of contemporary French civilization. Prerequisites: LAN 305 or consent of the instructor. May be repeated if content different.

420 SELECTED TOPICS IN FRENCH LITERATURE AND CULTURE**3 sem. hrs.**

Intensive study of French literature and culture organized around a particular period, genre, movement or theme, including both theory and practice. May be repeated if content different.

440 SEMINAR ON FRENCH POETRY**3 sem. hrs.**

Intensive study of French poetry organized around a particular period, movement or theme, including both theory and practice. May be repeated if content different.

450 SEMINAR ON FRENCH PROSE**3 sem. hrs.**

Intensive study of French prose organized around a particular period, movement or theme, including both theory and practice. May be repeated if content different.

460 SEMINAR ON FRENCH THEATER**3 sem. hrs.**

Intensive study of a particular movement or period of French theater, including both theory and practice. May be repeated if content different.

German Courses**302 GOETHE****3 sem. hrs.**

Reading and discussion of a number of major works. Prerequisite: Two courses beyond GER 116.

310 ADVANCED STUDY OF THE GERMAN LANGUAGE**3 sem. hrs.**

The study of linguistic concepts and their advanced application through the integration of practical work to improve language skills with appropriate theoretical topics in linguistics. Prerequisites: GER 213 or consent of department chair. Not for credit if had GER 309.

385 SELECTED TOPICS IN GERMAN LITERATURE OR CULTURE**3 sem. hrs.**

Intensive study of a theme, genre, including film, group of authors, or a single major writer in German literature. Prerequisite: Two courses on German literature. May be repeated if content different.

424 STUDIES IN THE GERMAN LANGUAGE**3 sem. hrs.**

Advanced study in selected areas of German language or linguistics. May be repeated if content different.

434 STUDIES IN THE GERMAN NOVEL**3 sem. hrs.**

Advanced study in selected works, authors and topics from the German novel. May be repeated if content different.

444 STUDIES IN THE GERMAN DRAMA**3 sem. hrs.**

Advanced study in selected works and topics from the German drama. May be repeated if content different.

454 STUDIES IN GERMAN CULTURE AND CIVILIZATION**3 sem. hrs.**

Advanced study of German-language literary and non-literary texts illuminating various areas of German thought, culture, and social background. May be repeated if content different.

Spanish Courses**301 SERVING SPANISH-SPEAKING POPULATIONS****3 sem. hrs.**

Basic Spanish for initial professional encounters with Spanish-speaking populations, examination of linguistic and cultural issues that affect professional effectiveness. No prior language study required. Prerequisite: Admission to and completion of at least two courses in a major (professional experience may substitute, subject to consent of instructor).

305 CURRENT TOPICS IN HISPANIC CIVILIZATION AND CULTURE
3 sem. hrs.

Recent trends, issues and changes in the Spanish-speaking world. Varying topics and pedagogical strategies for teaching culture. May be repeated if content different. Prerequisite: SP 217 or 218 or 243 or 244.

310 SPANISH SYNTAX
3 sem. hrs.

In-depth study of grammatical structures and the relations between structure and meaning based on current analytic approaches to syntax. Prerequisite: SP 215 or consent of instructor.

311 SPANISH PHONETICS AND PHONOLOGY
3 sem. hrs.

In-depth study of the fundamental concepts of Spanish Phonetics and Phonology. The course treats the Spanish sound system and its core phonological processes. Prerequisite: SP 215 or consent of instructor.

323 SPANISH LITERATURE, MEDIEVAL AND RENAISSANCE
3 sem. hrs.

Reading and analysis of major Spanish writers from the Medieval period through the Renaissance, in their literary and cultural contexts. Prerequisite: SP 233.

324 SPANISH LITERATURE, EIGHTEENTH-CENTURY TO PRESENT DAY
3 sem. hrs.

Reading and analysis of major Spanish writers from 18th century to present day, in their literary and cultural contexts. Prerequisite: SP 233.

325 SPANISH AMERICAN LITERATURE
3 sem. hrs.

Reading and analysis of major Spanish American writers, in their literary and cultural contexts. Prerequisite: SP 233.

336 SELECTED TOPICS IN SPANISH-AMERICAN LITERATURE
3 sem. hrs.

Variable topics providing in-depth study of major authors, works, genres, themes, or movements. Prerequisite: SP 323 or 324 or 325. May be repeated if content different.

337 SELECTED TOPICS IN PENINSULAR SPANISH LITERATURE
3 sem. hrs.

In-depth study of major authors, works, genres, themes, or movements in Spanish literature from the Middle Ages to present. Prerequisite: SP 323 or 324 or 325. May be repeated if content different.

360 STUDIES IN SPANISH LINGUISTICS
3 sem. hrs.

Detailed study of a particular linguistic subdiscipline of the Spanish language. Prerequisite: SP 215. May be repeated if content different.

370 TOPICS IN SPANISH PEDAGOGY
3 sem. hrs.

Exploration of different pedagogical issues for the Spanish language classroom. Prerequisite: SP 310 or consent of instructor; LAN 319 recommended. May be repeated if content different.

385 TOPICS IN HISPANIC LITERATURE
3 sem. hrs.

Intensive study of a genre, movement, author, or work. This study varies each semester. Prerequisite: SP 323 or 324 or 325. May be repeated if content different.

405 SEMINAR ON SPANISH AND/OR SPANISH-AMERICAN CULTURE
3 sem. hrs.

In-depth study of some aspect of Spanish and/or Spanish-American culture. Prerequisite: Graduate standing in Spanish or consent of instructor. May be repeated if content different.

411 SPANISH-AMERICAN NOVEL
3 sem. hrs.

The Spanish-American novel from the nineteenth century to the present day with emphasis on the most characteristic authors of each period.

415 SEMINAR IN SEVENTEENTH-CENTURY SPANISH LITERATURE
3 sem. hrs.

Advanced study of representative authors and genres, with emphasis on the theater and the novel. May be repeated if content different.

418 SEMINAR IN EIGHTEENTH- AND NINETEENTH-CENTURY SPANISH LITERATURE
3 sem. hrs.

In-depth study of major authors, works, genres, themes or movements from Spanish literature of the 18th and 19th centuries. Either seminar or survey format. May be repeated if content different.

421 HISTORY OF THE SPANISH LANGUAGE
3 sem. hrs.

The historical development of the Spanish language with particular attention to its phonology and morphology.

425 SEMINAR IN SPANISH LINGUISTICS
3 sem. hrs.

Systematic examination of selected facets of the Spanish language. May be repeated if content different.

431 SEMINAR IN EARLY SPANISH-AMERICAN LITERATURE
3 sem. hrs.

In-depth study of major themes of entire literature first introduced in chronicles, travel books and poetry between 16th and 18th centuries. May be repeated if content different.

434 SEMINAR IN MODERN SPANISH-AMERICAN LITERATURE
3 sem. hrs.

In-depth study or comparative analysis of figures, works, or genres in their cultural context from the nineteenth century through the present day. Seminar or survey format. May be repeated if content different.

470 DON QUIXOTE
3 sem. hrs.

Reading of Don Quixote with special attention to the problems of interpretation and literary criticism.

**484 SEMINAR IN TWENTIETH- AND
TWENTY-FIRST-CENTURY
SPANISH LITERATURE**

3 sem. hrs.

In-depth study of the novel, essay, poetry, or drama of the twentieth century to the present day in their cultural context. May be repeated if content different.

MATHEMATICS (MAT)

313 Stevenson Hall, (309) 438-8781
www.math.ilstu.edu

Chairperson: George F. Seelinger. Office: Stevenson Hall 313.
Graduate Program Directors: Cynthia Langrall, Michael Plantholt.

Graduate Faculty: F. Akman, O. Akman, J. Baek, D. Barker, J. Barrett, S. Chebolu, F. Cheng, M. Clements, R. Eggleton, N. Ellerton, S. El-Zanati, J. Gamage, L. Ionescu, H. Jordon, C. Langrall, G. Lewis, T. Martin, S. Meier, E. Mooney, K. Ostaszewski, M. Plantholt, N. Presmeg, B. Rich, G. Seelinger, T. Shilgalis, P. Sissokho, K. Thiagarajah, S. Tipnis, G. Yamskulna, W. Zhao.

University Regulations

In addition to the requirements of the individual graduate program, all students are subject to university regulations detailed in the front of the Graduate Catalog. Below is a summary of the most commonly referenced regulations. To locate full details of each regulation, use the index at the end of the catalog.

Academic Good Standing: A 3.00 minimum cumulative graduate GPA is required for graduation and for all courses and activities that require good academic standing.

Course Numbering System, Course Offerings: Some 300- and 400-level courses will not count toward graduate degrees. Any 300-level courses not listed in the Graduate Catalog are undergraduate credit only and are not available for graduate credit. Courses numbered 399 and 429 may be taken for graduate credit but do not count toward a graduate degree.

Use of credit hours from the course group 393, 397, 400, 493, 498 toward a degree is limited. No more than 9 hours total from this group count toward the degree. No more than 6 of the 9 hours may come from 400. Review degree requirements and count previous hours taken from this group before enrolling, since once the limit is reached, no more hours from this group will apply toward the degree.

Use of thesis/dissertation hours toward a degree is limited.

Student-at-Large: Courses taken as a student-at-large do not count toward the degree unless recommended by the degree program. Limit of 12 hours.

Transfer of Credit: Transfer courses must meet university qualifications and be approved by the program and Graduate School. No transfer of the following: courses with grade lower than B, independent study, courses from non-accredited universities, courses used toward another degree, courses over six years old when student first registered for the ISU degree program. No transfer credit is counted toward 400-level hours requirement. Request for Transfer of Credit form is posted at www.grad.ilstu.edu/plans.

Time Limitations: Degree completion is subject to university time limitations. Students who do not meet the time limit may be required to retake courses.

Readmission of Former Students: A lapse in registration of one calendar year or more requires application for readmission to the university.

Continuous Registration: Thesis and dissertation students must maintain continuous registration. Students generally enroll in 499 Master's Thesis or 599 Doctoral Dissertation. Under certain circumstances 499.01, 499.90, 599.01, or 599.90 may be appropriate.

Programs Offered

The Department of Mathematics offers varied programs leading to the Master of Science in Mathematics and the Doctor of Philosophy in Mathematics Education degrees. At the master's level, concentrations are available for persons interested in secondary mathematics education, pure mathematics, computational mathematics, and applied mathematics. Sequences are available in Actuarial Science and in Applied Statistics; Biomathematics; and a sequence in Elementary and Middle School Mathematics Education is available for teachers at those levels. The Ph.D. program is for persons seeking advanced preparation as teacher educators and mathematics education researchers. Graduate assistantships and instructorships are available.

Master of Science

The student must meet the general university requirements listed elsewhere in this catalog for the Master of Science degree. In addition, the student must complete either Option I or Option II in Mathematics, the Actuarial Science Sequence, the Applied Statistics Sequence, the Biomathematics Sequence, or the Elementary and Middle School Mathematics Education Sequence described below. Any course substitutions must be approved by the Department's master's program director. Option I requires a culminating experience in the form of an approved master's project, comprehensive exam, or professional practice. Option II requires a master's thesis. The culminating experience/thesis project must be approved in advance by the Department's master's program committee.

Admission Requirements

Admission to the Mathematics program normally requires an undergraduate major in mathematics or secondary mathematics education. Admission to the Actuarial Science Sequence or the Applied Statistics Sequence normally requires an appropriate background in mathematics, actuarial science, statistics, or mathematical finance. Admission to the sequence in Elementary and Middle School Mathematics Education requires an appropriate background in mathematics content and methodology. Applicants lacking the required background for these programs may be admitted with deficiencies at the discretion of the department's graduate committee. Applicants whose undergraduate grade point average for the last sixty hours is less than 3.0, but at least 2.8, may be admitted provisionally and must make a grade point average of 3.0 during their first term (summer or semester) of study.

Program Options

Each student must complete a program in one of five areas: Mathematics, the Actuarial Science Sequence, the Applied Statistics Sequence, the Biomathematics Sequence, or the Elementary and Middle School Mathematics Education

Sequence. In each, the student completes one of the two following options:

Option I

Thirty-two (32) hours are required, with at least 26 in mathematics; 15 hours must be at the 400 level, including at least 12 in mathematics. A culminating experience in the form of MAT 490 or MAT 498 or comprehensive examinations is required.

Option II

Thirty (30) hours plus a thesis are required, with at least 24 hours in mathematics; 15 hours must be at the 400 level, including at least 10 in mathematics. A written approved thesis is required.

Additional requirements are below.

Mathematics: MAT 336, 337, and 347 are required. Three mathematics courses numbered 407 or above are required. All electives are subject to approval by the department's graduate director. Students may select an area of concentration from the following: (1) Secondary mathematics education: 401, 403, 421, 422; (2) Doctoral study in mathematics: 407, 447, 448; (3) Computational mathematics: 356, 361, 363, 370, 461; (4) Applied mathematics: 340, 341, 345, 356, 361, 362, 363, 370, 378.

Other courses not yet listed in this catalog are also available. Contact the graduate adviser.

Actuarial Science Sequence: One of MAT 336, 337, 347, as well as three of the following: 380, 383, 384, 480, or 483, are required. Three mathematics courses numbered 407 or above are required. All electives are subject to approval by the department's graduate director.

Applied Statistics Sequence: MAT 350, 351, and one of 336, 337, or 347 are required. Three of the following are required: MAT 450, 453, 455, 456, or 458. All electives are subject to approval by the department's graduate director.

Biomathematics Sequence: Students in the Department of Mathematics may elect to pursue a sequence in Biomathematics, a course of study that provides a cutting-edge, cross-disciplinary training in mathematics and biology. The sequence is designed first to give students a solid foundation in mathematics (core courses), then training in one of two biomathematical emphases that use specific types of mathematical applications to address biological questions. Before entering the sequence students should have three semesters of calculus (or two semesters with Program Director's approval) and one semester of linear algebra. This program requires a minimum of 30 semester hours including the research thesis. The research thesis MAT 499 yields 4 sem. hrs. credit. All students are required to take the sequence core courses of 20 sem. hrs. (MAT 340, 350, 351, 442; BSC 420.36; MAT 499), where the seminar BSC 420.36 will be taken twice. If corresponding courses have already been taken, electives may be substituted. In addition students will choose from two areas of emphasis for 14 sem. hrs., with a minimum of 12 sem. hrs. from the Department of Biological Sciences. A minimum of 13 sem. hrs. outside of the core courses must be at the 400 level. The areas of emphasis and their courses are:

Emphasis in Biostatistics and Modeling: A choice of courses from MAT 353, 356, 362, 378, 450, 453, 455, 456, 458; and BSC 343, 403, 404, 405, 450.37, 471, 486.

Emphasis in Computation and Bioinformatics: A choice of courses from MAT 356, 361, 363, 461; and BSC 350, 353, 355, 415, 419, 467, 470, 471.

Elementary and Middle School Mathematics Education

Sequence: Persons who are teaching or who plan to teach at the elementary or middle school level may elect the sequence in Elementary and Middle School Mathematics Education. Each student who elects this sequence must complete MAT 304, 401, 402, 403, and 409. All electives are subject to approval by the department's graduate director. Students in this sequence who are considering entering the Mathematics Education Ph.D. program at Illinois State University are advised to take MAT 145 and 146 and, as part of their master's program, the following courses: MAT 304, 307, 309 or 330, 312, 315, 320, 326, 409, 421, and 422. Please see the Ph.D. advisor for more information.

Doctor of Philosophy in Mathematics Education

The Department of Mathematics offers work leading to the Ph.D. in Mathematics Education. This program is designed to equip individuals with the skills necessary to prepare prospective and in-service teachers of mathematics, to develop and evaluate mathematics curricula, and to conduct, direct, and evaluate research related to the teaching and learning of mathematics. The program places special emphasis on the mathematics curriculum in grades K-12.

Two options are available depending on the grade-level interest of the student: K-9 and K-12. The Graduate Record Examination General Test is required prior to admission. Course requirements for the degree further assume mathematics coursework basic to the undergraduate major in mathematics for K-9 option individuals and the equivalent of a master's in mathematics with breadth of other individuals.

In addition to mathematics -- including at least 6 hours of graduate mathematics course work at Illinois State University -- course requirements involve 30 semester hours in mathematics education, 3 hours for a professional project, 12 hours in research methods, 6 hours of electives in areas such as mathematics, technology, curriculum, educational psychology, evaluation, supervision, human development, learning theory or measurement; and a minimum of 15 hours of dissertation credit. Students in the program must demonstrate competence in teaching prospective or practicing mathematics teachers. Some of these requirements may be satisfied by work completed prior to acceptance into the program. The student must also meet the other University requirements for Ph.D. programs listed elsewhere in this catalog. A full-time student should normally complete the minimum course work for the program in 3 to 4 years past the bachelor's degree. Students must meet the Graduate School's residency requirement for a Doctor of Philosophy degree. The typical program is approximately 90 semester hours.

In addition to the Graduate School requirements given elsewhere in this catalog, it is recommended that applicants have prior teaching experience at the elementary or secondary level and completion of specified course work or degrees in mathematics depending on the option elected. For additional information, write the Graduate Program Director, Department of Mathematics, Illinois State University.

Courses

**302 TEACHING MATHEMATICS
IN GRADES 6-8**
4 sem. hrs.

Problems, viewpoints, and trends in teaching middle school or junior high mathematics. Implications of research related to organization, content and techniques for teaching mathematics in grades 6-8. Prerequisite: C or better in MAT 309 and 312 or concurrent registration. May include clinical experience.

**304 MODERN GEOMETRY FOR
MIDDLE SCHOOL TEACHERS**
4 sem. hrs.

Topics include Euclidean and non-Euclidean geometries and their history, transformations with connections to matrix algebra, fractals, and projective geometry. Dept-approved graphing calculator required. Prerequisites: C or better in MAT 131 and 202.

**307 MODERN ALGEBRA FOR
MIDDLE SCHOOL TEACHERS**
4 sem. hrs.

Algebraic concepts and structures relevant to grades 6-8. Structure of familiar number systems compared to and contrasted with other mathematical systems. Prerequisites: C or better in MAT 304, 309 and 312.

**309 NUMBER THEORY FOR
K-8 TEACHERS**
4 sem. hrs.

Focus is on number theory concepts, including divisibility, primes, composites, special number sets, and basic counting principles. Dept-approved graphing calculator required. Prerequisites: C or better in MAT 131 and 202.

**312 PROBABILISTIC AND STATISTICAL
REASONING FOR K-8 TEACHERS**
4 sem. hrs.

Descriptive statistics, lines of best fit, basic concepts of probability, simulation, probability distributions, expectation and counting techniques. Dept-approved graphing calculator required. Prerequisites: C or better in MAT 131 and 202.

**315 MATHEMATICAL MODELING FOR
MIDDLE SCHOOL TEACHERS**
4 sem. hrs.

Mathematical modeling and problem-solving with applications involving networks and communication systems, finance, global positioning, data systems, and various branches of science. Dept-approved graphing calculator required. Prerequisites: C or better in MAT 304, 309, and 312.

320 HISTORY OF MATHEMATICS TO 1600
2 sem. hrs.

Emphasis on Greek geometry, and growth of algebra and algebraic notation from early Mesopotamia through Renaissance. Prerequisite: MAT 145 recommended.

**321 HISTORY OF MATHEMATICS,
1600 TO PRESENT**
2 sem. hrs.

Development of modern mathematics (analysis, algebra, geometry) and the people in the forefront, beginning with Descartes. Emphasis on 19th century. Prerequisite: MAT 147.

**323 TEACHING MATHEMATICS IN THE
SECONDARY SCHOOL**
3 sem. hrs.

The selection, placement, and teaching of secondary mathematics topics. Analysis of recent trends and practices. Prerequisites: C or better in MAT 211 and 223; C or better in MAT 236, or concurrent registration; C&I 216; and at least 2.2 MAT GPA. Includes clinical experiences, 35 hrs. Type 1-5, 9; admission to Professional Studies. Department-approved graphing calculator required.

**326 COMPUTER-EXTENDED
MATHEMATICS FOR
SECONDARY SCHOOLS**
3 sem. hrs.

Integrating computers and calculators into the secondary mathematics curriculum. Prerequisites: MAT 175. Department approved graphing calculator required.

330 NUMBER THEORY
3 sem. hrs.

Divisibility, primes, unique factorization, numerical functions, congruences, Diophantine equations, other topics. Prerequisite: MAT 175.

336 ADVANCED ABSTRACT ALGEBRA
3 sem. hrs.

Introduction to groups, including permutation, symmetry and matrix groups, homomorphisms, normality, quotient groups, applications. Prerequisite: MAT 175 required; MAT 236 recommended.

337 ADVANCED LINEAR ALGEBRA
4 sem. hrs.

Abstract vector spaces, linear transformations and matrices, inner product spaces, eigenvalues and eigenvectors, diagonalization. Applications to geometry, the physical and social sciences. Prerequisite: MAT 175.

**340 DIFFERENTIAL
EQUATIONS I**
3 sem. hrs.

First order differential equations, linear differential equations, systems of differential equations, applications of differential equations, numerical solutions. Prerequisites: C or better in MAT 147; MAT 175 or concurrent registration; and C, FORTRAN, Pascal, PL/I or approved programming language.

**341 ELEMENTARY DIFFERENTIAL
EQUATIONS II**
3 sem. hrs.

Linear systems of differential equations, numerical methods, Fourier series, boundary-value problems, introduction to partial differential equations (Laplace, heat, and wave equations) and applications to nonlinear systems and phenomena. Prerequisites: C or better in MAT 175 and 340.

345 ADVANCED CALCULUS
4 sem. hrs.

Calculus of functions of several variables; Taylor's series of several variables, maxima and minima, Lagrange multipliers, inverse and implicit function theorems, multiple integration, line integrals, Green's, Stokes' and the divergence theorems. Prerequisite: MAT 147 and 175.

347 ADVANCED REAL ANALYSIS**4 sem. hrs.**

The real number system, topology of metric spaces, sequences, continuous functions, uniform convergence, differentiation, Taylor's Theorem, Riemann integration, the fundamental theorem of calculus, infinite series, power series, applications. Prerequisite: C or better in MAT 247 and 236; or 337 or consent of instructor.

350 APPLIED PROBABILITY MODELS**4 sem. hrs.**

Sample spaces, discrete and continuous random variables, probability functions, density, moment generating functions, important distributions. Multivariate distributions. Central Limit Theorem. Prerequisite: C or better in MAT 147.

351 STATISTICS AND DATA ANALYSIS**4 sem. hrs.**

Statistical estimation. Point and interval estimators. Consistency, unbiasedness, minimum variance. Hypothesis testing. Likelihood ratio tests. Regression, analysis of variance. Prerequisites: C or better in MAT 350 or consent of instructor.

353 REGRESSION AND TIME SERIES ANALYSIS**4 sem. hrs.**

Regression and time series methods for business and economic applications, including exponential smoothing and Box-Jenkins methods. A computer statistical package will be used. Prerequisites: C or better in MAT 351 or equivalent or consent of instructor. Also offered as ECO 353.

356 STATISTICAL COMPUTING**4 sem. hrs.**

Application of the SAS, SPSS programs to real data, emphasizing regression, and analysis of variance. Prerequisites: Two statistics courses, some facility with matrices.

361 TOPICS IN DISCRETE MATHEMATICS**2-4 sem. hrs.**

Study of selected areas of discrete mathematics. Consult the Class Registration Directory for the topics to be offered and the hours of credit to be earned during any given semester. Each topic may be taken once. Prerequisite: MAT 175 and approved programming language.

362 LINEAR PROGRAMMING**2-4 sem. hrs.**

Modeling and solution of problems using the simplex method. Duality, sensitivity, integer programming. Transportation problems. Prerequisites: C or better in MAT 175 and C, FORTRAN, Pascal, PL/I or approved programming language.

363 GRAPH THEORY**2-4 sem. hrs.**

Introduction to graph theory, connectivity, matching, coloring, network flows with applications to communication reliability, scheduling, and traffic flow problems. Prerequisites: MAT 175 and FORTRAN, Pascal, PL/I or approved programming language.

378 MATHEMATICAL MODELING**4 sem. hrs.**

Applications of mathematics modeling to fields including biology, economics, engineering, political science, psychology, and sociology. Project required. Prerequisites: MAT 175 and 350 required; MAT 340 recommended.

380 ACTUARIAL MODELS I**4 sem. hrs.**

Survival distributions, life tables. Life insurance, life annuities, and pensions. Premiums and reserves. Multiple lives. Multiple decrements. Models including expenses. Prerequisites: B or better in MAT 280 and 350, or consent of instructor.

383 ACTUARIAL MODELS II**4 sem. hrs.**

Applications of stochastic processes to actuarial models. Poisson process, Markov process. Interest rate models. Arbitrage-free models. Valuation of derivative securities. Financial risk management. Prerequisites: B or better in MAT 280 and 350, or consent of instructor.

384 ACTUARIAL MODELING**4 sem. hrs.**

Severity models. Frequency models. Aggregate loss models. Risk measures. Ruin theory. Survival models estimation. Parametric and nonparametric models estimation. Credibility theory. Simulation. Prerequisites: C or better in MAT 351, or consent of instructor.

401 CURRENT RESEARCH IN SCHOOL MATHEMATICS**3 sem. hrs.**

Analysis of research in mathematics education and its implications for instruction in school programs. Prerequisite: EAF 410 or 509 or consent of instructor.

402 INSTRUCTIONAL STRATEGIES FOR THE MIDDLE SCHOOL TEACHER**3 sem. hrs.**

Selecting, utilizing and evaluating instructional organization, laboratory materials and pedagogical techniques for middle school mathematics programs. Prerequisites: MAT 401 and 403 recommended.

403 THEORIES OF MATHEMATICS LEARNING**3 sem. hrs.**

Overview of theories of how students learn mathematics and the implications of these theories for classroom teaching and research.

404 ISSUES AND TRENDS SCHOOL MATHEMATICS**4 sem. hrs.**

Analysis of issues and trends related to teaching and learning mathematics in local, national, and international political and social arenas. Prerequisites: MAT 401 and 403, or consent of instructor.

406 ADVANCED TOPICS IN ASSESSMENT IN ELEMENTARY AND JUNIOR HIGH MATHEMATICS**2-3 sem. hrs.**

Analytical approaches and instructional procedures for assessment and evaluation in elementary and junior high school mathematics.

407 ABSTRACT ALGEBRA**4 sem. hrs.**

Group theory including the Sylow theorems and other advanced topics; ring theory. Prerequisite: MAT 336 or consent of instructor.

409 TOPICS IN ALGEBRA AND COMBINATORIES FOR K-8 TEACHERS
3 sem. hrs.

Algebra and counting topics related to elementary, middle school, or junior high curriculum. Prerequisite: Admission into a graduate mathematics or mathematics education program or consent of instructor.

410 TOPICS IN NUMBER THEORY
3-4 sem. hrs.

Topics vary, but are often chosen from Diophantine equations, continued fractions, Diophantine approximations. Additional topics and applications will be covered in the 4-hour version. Prerequisite: MAT 330 or consent of instructor.

411 SELECTED TOPICS IN ADVANCED MATHEMATICS
3 sem. hrs.

Advanced topics in mathematics (Knot theory and applications, category theory, complex analysis, differential topology and geometry, dynamical systems, etc.). Prerequisite: MAT 336 or 337 or 347 or consent of instructor.

421 TOPICS IN ALGEBRA FOR TEACHERS
3 sem. hrs.

Problems in teaching of secondary school algebra. Investigation of reports, research, and recent trends in this area. Prerequisite: MAT 175 or 236 and teaching experience.

422 TOPICS IN GEOMETRY FOR TEACHERS
3 sem. hrs.

Problems in teaching secondary school geometry. Investigation of reports, research, and recent trends. Objectives and content of secondary school geometry. Prerequisite: MAT 211.

442 QUANTITATIVE BIOMATHEMATICS
3 sem. hrs.

Theory and biological applications of linear and non-linear difference and differential equations and of partial differential equations. Prerequisite: MAT 340.

447 REAL ANALYSIS I
4 sem. hrs.

Inadequacy of Riemann integration, theories of measure and integration, function spaces, Hilbert spaces, linear functionals, orthogonal functions and Fourier series. Prerequisites: MAT 337 and 347.

450 FINITE SAMPLING
3-4 sem. hrs.

Application and theory of sampling, mathematical sampling; simple, stratified, and cluster. Evaluation of plans with respect to precision and cost. Additional topics and applications will be covered in the 4-hour version. Prerequisite: MAT 350.

453 REGRESSION ANALYSIS
3-4 sem. hrs.

Linear regression models and the F-test. Model Fitting: analysis of residuals, transformations, and the selection of variables. The analysis of variance via regression. Additional topics and applications will be covered in the 4-hour version. Prerequisites: MAT 175 and 351.

455 APPLIED STOCHASTIC PROCESSES
3-4 sem. hrs.

Processes important in numerous applications. Finite and countable state Markov chains, the Poisson process, birth-death processes, elementary queueing theory, renewal processes, and others. Prerequisite: MAT 350.

456 MULTIVARIATE STATISTICS
3-4 sem. hrs.

Review of regression and analysis of variance. The multivariate normal distribution, discriminant analysis, multivariate analysis of variance, factor analysis. Computational procedures. Prerequisites: MAT 175, 351.

458 THE DESIGN OF EXPERIMENTS
3-4 sem. hrs.

Linear models and the logic of planned experimentation, choice of statistical technique, and analysis of data. Additional topics and applications will be covered in the 4-hour version. Prerequisite: MAT 351.

461 ADVANCED TOPICS IN DISCRETE MATHEMATICS
3-4 sem. hrs.

Study of selected advanced topics in discrete mathematics. Consult class directory for topic and hours in a given semester. Prerequisite: Consent of instructor. May be repeated if content different.

480 APPLICATIONS OF ACTUARIAL PRINCIPLES
4 sem. hrs.

Basic actuarial principles applicable to various financial security systems: life, health, and property and casualty insurance, annuities, retirement programs. Prerequisite: MAT 380 and 383, or consent of instructor.

483 MATHEMATICAL MODELS IN FINANCE AND INVESTMENTS
4 sem. hrs.

Mathematical models of capital markets, valuation of derivatives and other financial instruments, principles of portfolio management and asset-liability management. Prerequisites: MAT 380 and 383, or consent of instructor.

490 RESEARCH IN MATHEMATICS, MATHEMATICS EDUCATION, AND APPLIED MATHEMATICS
3 sem. hrs.

Individual research projects or case studies in mathematics, mathematics education, applied mathematics, statistics, or actuarial science. May constitute a culminating experience for master's degree. Credits do not count toward 400-level course requirements for degree. Prerequisite: Consent of instructor.

498 PROFESSIONAL PRACTICE
1-4 sem. hrs.

Practical supervised work experience in mathematics. Credits do not count toward 400-level course requirements for the degree. May be repeated. No more than 4 credits count toward the degree.

499 MASTER'S THESIS
1-6 sem. hrs.

580 MATHEMATICAL THINKING AND LEARNING
3 sem. hrs.

Analysis of theories in mathematical thinking and learning as they relate to instruction and research in mathematics education. Prerequisite: MAT 403.

581 SEMINAR IN RESEARCH AND DEVELOPMENT IN MATHEMATICS EDUCATION**3 sem. hrs.**

Analysis of research in strategies or methods for teaching mathematics and in the learning of mathematics. Analysis of curriculum projects as they relate to these research findings. Analysis of current research and consideration of the implications of this research for new curricular innovations, and for classroom teaching. Prerequisite: Admission to Ph.D. program in Mathematics Education.

582 HISTORY OF MATHEMATICS EDUCATION CURRICULUM**3 sem. hrs.**

Study of the development of mathematics education curriculum since colonial times. Readings of major books, recommendations, and papers. Prerequisite: Admission to Ph.D. program in Mathematics Education.

583 PROFESSIONAL PROJECTS IN MATHEMATICS EDUCATION**3 sem. hrs.**

Designed to provide intensive work under direct supervision of faculty on a project in mathematics education. Prerequisite: Approval of Ph.D. director.

585 TOPICS IN MATHEMATICS EDUCATION SEMINAR**1-3 sem. hrs.**

Intensive inquiry into topics in mathematics education through research, discussion, and reports. May be repeated with approval of Ph.D. director. Prerequisite: Admission to Ph.D. program in mathematics education.

586 MATHEMATICS TEACHING AND TEACHER EDUCATION**3 sem. hrs.**

Analysis of the research in mathematics teaching and teacher education. Prerequisite: MAT 404.

599 DISSERTATION**Variable credit**

Research, library search, curriculum study, and writing related to Doctor of Philosophy dissertation requirement. Prerequisite: Approval of Ph.D. director.

MICROBIOLOGY

(See Biological Sciences)

PHILOSOPHY (PHI)

412 Stevenson Hall, (309) 438-7665

www.philosophy.ilstu.edu**Chairperson:** James Swindler.

Graduate Faculty: D. Anderson, A. Bailey, H. Deutsch, C. Horvath, T. Simon, T. Stewart, S. L. Stillwell, J. Swindler.

Note: Graduate degrees are not granted in the Department of Philosophy, but course work is available as supplemental study or as electives.

Courses

305 TOPICS IN TWENTIETH CENTURY PHILOSOPHY**3 sem. hrs.**

Major philosophical movements of the 10th century, focusing on significant figures. Prerequisite: PHI 281 and 112, or MAT/PHI 210. May be repeated for credit if topic different.

310 TOPICS IN PHILOSOPHY OF SCIENCE**3 sem. hrs.**

Examination of topics in philosophy of natural, behavioral, and/or social sciences, e.g., scientific explanation, evidence, methodology, progress, universality, normativity, testability. Prerequisite: May be repeated if content different.

315 TOPICS IN PHILOSOPHY, SCIENCE, AND THE MIND**3 sem. hrs.**

Exploration of a philosophical topic on the scientific study of the mind (e.g., mind-body problem, artificial intelligence, philosophical psychology, neuroscience). Prerequisite: Consent of instructor. May be repeated if content different.

330 TOPICS IN MORAL THEORY**3 sem. hrs.**

Examination of fundamental issues in moral philosophy, e.g., possibility of moral knowledge, justification of value judgments, nature of moral responsibility. Prerequisite: Consent of instructor.

339 TOPICS IN THE PHILOSOPHY OF ART**3 sem. hrs.**

Philosophical examination of expression, aesthetic experience, representation, nature of art, possibility of objective evaluation as applied to various art forms. May be repeated if topic different.

340 TOPICS IN LEGAL AND POLITICAL PHILOSOPHY**3 sem. hrs.**

Intensive examination of selected topics in social, political and legal philosophy, e.g., liberty, justice, rights, equality, community, democracy, political obligation. Prerequisite: Consent of instructor. May be repeated for credit if topic different.

350 TOPICS IN THE HISTORY OF PHILOSOPHY**3 sem. hrs.**

Intensive examination of an important figure, movement, or theme in the history of philosophy, e.g., Plato, British Empiricism, freewill/determinism. Prerequisite: May be repeated if content different.

363 TOPICS IN METAPHYSICS AND EPISTEMOLOGY**3 sem. hrs.**

Detailed examination of selected issues in contemporary metaphysics and epistemology. May be repeated if content different.

390 INDEPENDENT STUDY**1-3 sem. hrs.**

Prerequisites: One PHI course and consent of instructor and dept. chairperson.

PHYSICS (PHY)

311 Moulton Hall, (309) 438-8756
www.phy.ilstu.edu

Chairperson: Richard Martin. Office: 311 Moulton Hall.
Graduate Faculty: B. Clark, R. Grobe, S. Hassani, D. Holland, K. Karim, R. Martin, D. Marx, H. Matsuoka, S. Ren, E. Rosa, G. Rutherford, Q. Su.

Note: Graduate degrees are not granted in the Department of Physics, but course work is available as supplemental study or as electives.

Courses

310 READINGS FOR TEACHING HIGH SCHOOL PHYSICS 3 sem. hrs.

Essential background readings for teaching high school physics that center around developing scientific literacy in students. Prerequisites: 10 hrs. in Physics.

311 TEACHING HIGH SCHOOL PHYSICS 3 sem. hrs.

Strategies, curricula, and resources for the teaching of high school physics. Application of knowledge of physics, adolescent psychology, and pedagogical theory to secondary teaching. Prerequisites: PHY 310; 18 hrs. in PHY; C or better in C&I 216, or concurrent registration. Clinical Experience: 10 hrs., Type 1-6. Not for credit if had PHY 301.

312 PHYSICS TEACHING FROM THE HISTORICAL PERSPECTIVE 3 sem. hrs.

Qualitative overview of the development of classical scientific thought relating to physical phenomena. Prerequisite: 20 hours in PHY; admission to Teacher Education.

318 METHODS OF COMPUTATIONAL SCIENCE 3 sem. hrs.

Introduction to a wide variety of computational techniques and their application to problems in chemistry and physics. Prerequisites: ITK 165, CHE 140, PHY 109 or 111, CHE360 or PHY 220/concurrent registration; or consent of instructor. Also offered as CHE 318.

320 MECHANICS II 3 sem. hrs.

Coordinate transformations, nonlinear oscillations, Lagrangian and Hamiltonian mechanics, rigid body motion relativity. Prerequisites: PHY 220 and MAT 340.

355 SOLID STATE PHYSICS 3 sem. hrs.

Crystal structures, X-ray and electron diffraction, lattice vibrations and thermal properties, binding energy, conduction of electrons, band theory, dielectric and magnetic properties, defects, metals, semiconductors, and insulators. Prerequisite: PHY 325.

375 ELECTRONICS FOR SCIENTISTS 3 sem. hrs.

DC and AC circuit analysis with an introduction to the electrical properties of semiconductors; theoretical and experimental analysis of semiconductor diode, transistor, and operational amplifier circuits. Lecture and lab. Prerequisite: PHY 109 or 111.

384 QUANTUM MECHANICS II 3 sem. hrs.

Operator formalism, Dirac bra and ket notation, angular momentum, perturbation theory, applications to laser physics. Prerequisites: PHY 284 and MAT 340.

387 METHODS OF MATHEMATICAL PHYSICS 3 sem. hrs.

Finite- and infinite-dimensional vector spaces, matrices and determinants, Fourier analysis, complex analysis, differential equations, emphasis on physical applications. Prerequisites: PHY 240 and MAT 340 or concurrent registration.

388 ADVANCED COMPUTATIONAL PHYSICS 3 sem. hrs.

Application of computational methods to contemporary topics in physics, including nonlinear classical and quantum dynamics or physical problems that involve many degrees of freedom. Prerequisites: PHY 220, 240, 284, and 318, or consent of instructor.

400 INDEPENDENT STUDY 1-4 sem. hrs.

Prerequisite: Consent of instructor.

411 TEACHING SECONDARY SCIENCE 3 sem. hrs.

Intensive study of findings from key areas of science education research with applications to teaching of biology, chemistry, and physics. Prerequisite: Admission to Post-Baccalaureate Graduate Certificate for Alternative Route to Secondary Teacher Certification.

413 TEACHING HIGH SCHOOL PHYSICS II 3 sem. hrs.

Employs goal setting, self-assessment, and instructional design as a way of improving the physics teacher's inquiry practice. Prerequisite: Open only to certified, inservice high school teachers of physics and/or physical science with a minimum of two years teaching experience.

498 PROFESSIONAL PRACTICE 1 sem. hr.

Supervised work experience within undergraduate Physics Teacher Education program. Prerequisites: Admission by permission only; intermediate-level physics background consisting of classical mechanics, electricity and magnetism or introductory quantum mechanics, or equivalent; must be enrolled in C&I master's program. May be repeated during different semesters for a total of 3 sem. hrs.

POLITICS AND GOVERNMENT (POL)

401 Schroeder Hall, (309) 438-8638
www.politicsandgovernment.ilstu.edu

Chairperson: Ali Riaz. Office: Schroeder 401.

Graduate Program Director: J. Webber.

Graduate Faculty: R. Bradley, M. Cox, L. Crothers, T. Eimermann, S. Gelbman, G. Kiser, G. Klass, N. Lind, C. Parodi, A. Riaz, L. Riverstone-Newell, K. Shapiro, N. Shawki, B. Tamas, T. Wang, J. Webber.

University Regulations

In addition to the requirements of the individual graduate program, all students are subject to university regulations detailed in the front of the Graduate Catalog. Below is a summary of the most commonly referenced regulations. To locate full details of each regulation, use the index at the end of the catalog.

Academic Good Standing: A 3.00 minimum cumulative graduate GPA is required for graduation and for all courses and activities that require good academic standing.

Course Numbering System, Course Offerings: Some 300- and 400-level courses will not count toward graduate degrees. Any 300-level courses not listed in the Graduate Catalog are undergraduate credit only and are not available for graduate credit. Courses numbered 399 and 429 may be taken for graduate credit but do not count toward a graduate degree.

Use of credit hours from the course group 393, 397, 400, 493, 498 toward a degree is limited. No more than 9 hours total from this group count toward the degree. No more than 6 of the 9 hours may come from 400. Review degree requirements and count previous hours taken from this group before enrolling, since once the limit is reached, no more hours from this group will apply toward the degree.

Use of thesis/dissertation hours toward a degree is limited.

Student-at-Large: Courses taken as a student-at-large do not count toward the degree unless recommended by the degree program. Limit of 12 hours.

Transfer of Credit: Transfer courses must meet university qualifications and be approved by the program and Graduate School. No transfer of the following: courses with grade lower than B, independent study, courses from non-accredited universities, courses used toward another degree, courses over six years old when student first registered for the ISU degree program. No transfer credit is counted toward 400-level hours requirement. Request for Transfer of Credit form is posted at www.grad.ilstu.edu/plans.

Time Limitations: Degree completion is subject to university time limitations. Students who do not meet the time limit may be required to retake courses.

Readmission of Former Students: A lapse in registration of one calendar year or more requires application for readmission to the university.

Continuous Registration: Thesis and dissertation students must maintain continuous registration. Students generally enroll in 499 Master's Thesis or 599 Doctoral Dissertation. Under certain circumstances 499.01, 499.90, 599.01, or 599.90 may be appropriate.

Master's Degree in Political Science

The Department offers work leading to the following degrees: Master of Science (M.S.) or Master of Arts (M.A.). Master's degree students choose one of three options: (1) 32 hours with thesis, (2) 32 hours with comprehensive examinations, or (3) 39 hour option requiring POL 495 as a capstone experience; the 39 hour option is open only to students in the Applied Community Development Sequence. All degree students are required to take 15 credit hours in department 400-level seminars, including POL 497 or POL 461. Students may meet this seminar requirement only by taking fifteen credits of the following courses: POL 411, 417, 421, 422, 431, 432, 441, 442, 451, 452, 461, 470, 472, 477, 478, and 497. Exceptions to this policy may be granted with the consent of the Graduate Director and the Department Chair if the following requirements are met: (1) the student is taking an independent study or readings course in the summer; and (2) the instructor certifies in writing that the material covered in the summer course adequately substitutes for the material covered in a regular seminar. Only one such readings or independent study course can be substituted for a seminar course in a student's plan of study. The following three sequences are offered:

- Applied Community Development
- Public Service
- Global Politics and Cultures

Applied Community Development

This sequence is designed for returned Peace Corps volunteers, students with experiences similar to Peace Corps, and students preparing to enter Peace Corps. Students wishing to complete this sequence should apply and be approved by the Graduate Program Director before beginning course work. Students must complete the following courses: POL/SOA 470, POL/SOA 477, ECO/POL/SOA 478, POL 497 or, in some cases, POL 461, and 498.12 or 498.90 (6 to 8 hours fulfilled by a paid internship or Peace Corps service). Students must fulfill the usual requirements for the degree, including thesis or completion of the 39 hour option with POL 495 as the capstone experience. Students in this sequence may not take comprehensive examinations to complete the degree.

Public Service

This sequence is designed for students interested in employment in the public sector, particularly at the state and local level. Students must complete POL 421 and 431, plus 12 hours selected from among the following courses: POL 313, 318, 323, 329, 330, 331, 332, 333, 334, 335, 411, 412, 421, 422, 432, 433, and 498. Students must fulfill the usual requirements for the degree, including thesis or taking of a comprehensive examination.

Global Politics and Cultures

This sequence is designed for students interested in the increasingly inter-connected politics of the modern world. Students must complete POL 417, either POL 461 or POL 497, POL 451 and POL 441. They must take a range of courses across the sub-disciplines of political science. Students must also complete the regular requirements for a degree, including either the thesis or comprehensive exam option.

Admission Requirements

To be admitted to the master's degree program in Political Science, an applicant should have a 3.0 grade point average

in the last 60 hours of undergraduate work and also have completed at least 15 hours of undergraduate course work in Political Science with a 3.0 average. Applicants with less than 15 hours of Political Science courses may be required to take additional courses after admission to the Department. The Department requires submission of GRE (General Test) scores. Students must submit three letters of recommendation and a written personal statement directly to the Department Graduate Director. The personal statement, preferably typed, should address reasons for seeking admission to the Political Science graduate program at Illinois State. Students are also encouraged to submit an example of their written academic work.

Admission Deadline

The deadlines for application to the master's program of the Department of Politics and Government are the following:

For Fall semester: March 15th

For Spring semester: October 15th

The graduate committee may in exceptional cases review applications received after each of these dates.

Courses

301 TEACHING CITIZENSHIP AND GOVERNANCE 3 sem. hrs.

Examines knowledge and techniques for instructing civics and governance material, and analyzes the relationship between civic education and democracy. Prerequisites: POL 101, 105, or 106, or consent of instructor.

310 VOTING AND ELECTIONS 3 sem. hrs.

Intensive investigation of U.S. voting behavior and electoral process; includes instruction in analytical techniques. Prerequisites: POL 105 or 106 or 138 or consent of instructor.

312 PUBLIC OPINION 3 sem. hr

Includes attention to social and psychological bases of public opinion, current trends, methods of measurement, and opinion-policy linkages. Prerequisite: POL 105 or 106 or 138 or consent of instructor.

317 U.S. POLITICS AND CULTURE AFTER VIETNAM 3 sem. hrs.

Examination of the impact of the Vietnam War on contemporary U.S. politics. Prerequisite: POL 101 or 105 or 106 or consent of instructor.

318 ADMINISTRATIVE LAW 3 sem. hrs.

An overview of administrative law topics such as legislative, executive, and judicial control of administrative actions, public and private access to information, the administrative hearing process, and other due process concerns. Prerequisites: 60 hours or consent of instructor; POL 215 recommended.

323 STATE POLITICAL SYSTEMS 3 sem. hrs.

Exploration of the nature of state politics through comparison, contrast and synthesis of micropolitical and macropolitical research in state politics. Prerequisite: 60 hrs.; POL 221 or consent of instructor required.

324 TOPICS IN PUBLIC LAW 3 sem. hrs.

Selected topics focusing on specialized aspects of public law. Prerequisites: POL 101 or 105 or 106 or consent of instructor required; POL 215 recommended. May be repeated if content different.

325 CONSTITUTIONAL LAW: FUNCTIONS AND POWERS 3 sem. hrs.

Major Supreme Court decisions on federalism, separation of powers, taxation, commerce, voting, and citizenship. Prerequisites: 60 hours or consent of instructor. POL 215 recommended.

326 CONSTITUTIONAL LAW: DUE PROCESS RIGHTS 3 sem. hrs.

Major Supreme Court decisions involving both procedural and substantive due process rights. Prerequisites: 60 hours or consent of instructor; POL 215 recommended.

327 CONSTITUTIONAL LAW: EQUALITY AND FREE EXPRESSION 3 sem. hrs.

Major Supreme Court decisions involving discrimination, and freedom of speech, press, assembly, and religion. Prerequisites: 60 hours or consent of instructor; POL 215 recommended.

330 PROBLEMS OF PUBLIC ADMINISTRATION 3 sem. hrs.

Varied approaches to problems relevant to public policy, organization development, management, staff, or personnel concerns, and applied behavioral techniques. May be repeated if content is different. Prerequisite: POL 231 or consent of instructor.

331 HUMAN RESOURCE MANAGEMENT 3 sem. hrs.

The personnel process in American bureaucracy: matching the individual and the job; employer-employee relations; employee motivation; problems and prospects. Prerequisite: POL 231 or consent of instructor.

333 POLITICS, BUDGETS, AND TAXES 3 sem. hrs.

Meaning, significance, content and historical evolution of government budgeting processes and reforms at all levels of government, as well as the political implications of fiscal reforms. Prerequisite: POL 231 or consent of instructor.

334 THE POLITICS OF RACE, ETHNICITY AND INEQUALITY 3 sem. hrs.

Analysis of contending theories and ideologies concerning the role of race and ethnicity in American politics and public policy. Prerequisites: POL 101 or 105 or 106 or consent of instructor; POL 214 or 231 or 232 or 327 recommended.

337 LESBIAN AND GAY POLITICS 3 sem. hrs.

Explores LGBT (lesbian, gay, bisexual, and transgender) political movements in historical context and with reference to claims for citizenship. Prerequisites: WGS 120 or POL 225, or permission of instructor.

338 GENDER AND PUBLIC POLICY 3 sem. hrs.

Examination of how gender shapes and is shaped by public policy formulation and implementation in different political and state contexts. Prerequisites: WGS 120 or POL 225, or permission of instructor.

339 PLAYGROUND TO POLITICS**3 sem. hrs.**

Explores Generation Y in politics, media, economic and education systems. Prerequisites: 60 hrs. or consent of instructor; POL 161 recommended.

340 TOPICS IN LATIN AMERICAN POLITICS**3 sem. hrs.**

Selected topics focusing on specialized aspects of Latin American politics. Prerequisite: One of the following courses: POL 140, 240, HIS 263; or consent of instructor. May be repeated if content different.

341 TOPICS IN EUROPEAN POLITICS**3 sem. hrs.**

Selected topics focusing on specialized aspects of European politics. Prerequisites: One of the following courses: POL 141, 242, GEO 240, 245, HIS 229, 234, 237, 366 or consent of instructor. May be repeated if content different.

344 TOPICS IN GLOBAL STUDIES**3 sem. hrs.**

An intensive review and analysis of critical global problems and strategies for dealing with them. Prerequisite: One of the following: POL 150, 151, 251, 252, 254, 255, or consent of instructor. May be repeated if content different.

345 TOPICS IN ASIAN POLITICS**3 sem. hrs.**

Selected topics focusing on specialized aspects of Asian Politics. Prerequisite: One of the following: POL 140, 145, 245, 255; HIS 373, 375, or consent of instructor. May be repeated if content different.

349 TOPICS IN MIDDLE EAST POLITICS**3 sem. hrs.**

Selected topics focusing on specialized aspects of Middle East politics. Prerequisites: One of the following courses: POL 140, 145, or 247, or HIS 272, or consent of instructor. May be repeated if content is different.

351 INTERNATIONAL LAW**3 sem. hrs.**

Political nature, legal principles, and juridical procedures and cases of contemporary international law. Prerequisite: One of the following: POL 151, 251, 252, 254, 255, or consent of instructor.

352 HUMAN RIGHTS**3 sem. hrs.**

General overview of human rights: philosophical foundation, historical development, main documents, institutions, movements and campaigns. Prerequisites: POL 140, 151, 251, 252, 254, or 255, or consent of instructor.

**358 INTERNATIONAL
POLITICAL ECONOMY****3 sem. hrs.**

An analysis of the structures of political power in the international political economy. Prerequisites: POL 151, 251, 252, 254, 255, or consent of instructor.

361 TOPICS IN POLITICAL THEORY**3 sem. hrs.**

Selected advanced topics covering specific concepts or authors in political theory. Prerequisites: POL 101, 105, 106, or 161 or 60 semester hours or consent of instructor. May be repeated if content different.

363 POLITICAL THEORIES OF NONVIOLENCE**3 sem. hrs.**

Analysis of contending theories and approaches regarding non-violence and civil disobedience. Prerequisite: One of the following: POL 101, 105 or 106, 161, 261, 262, 265, or consent of instructor.

Seminars/Topics

The content of the following seminars/topics will vary according to the interests of the particular instructor offering the course. Provided different material is covered, a seminar/topic may be repeated.

411 SEMINAR IN AMERICAN POLITICS**3 sem. hrs.**

Survey of major issues and theories of American politics, including those related to the presidency, Congress, political parties, and elections.

412 TOPICS IN AMERICAN POLITICS**3 sem. hrs.**

A selected topic, e.g., presidency, Congress, mass political behavior, selected policy problems, etc. May be repeated once if content differs.

417 POLITICAL CULTURES**3 sem. hrs.**

Examines the role of political culture in shaping political life and the ways it is used in political research. Prerequisite: Graduate standing in Politics and Government, or consent of instructor.

421 SEMINAR IN STATE AND LOCAL POLITICS**3 sem. hrs.****422 SEMINAR IN URBAN POLITICS****3 sem. hrs.****431 SEMINAR IN PUBLIC ADMINISTRATION****3 sem. hrs.**

Overview of the key issues, problems and theories that confront agency level officials and those who work with government and/or nonprofit organizations.

432 SEMINAR IN JUDICIAL POLITICS**3 sem. hrs.**

Survey of various explanations of judicial processes and policies.

433 TOPICS IN PUBLIC ADMINISTRATION**3 sem. hrs.**

A selected topic, e.g., organization theory and behavior, public management, personnel, etc. May be repeated once if content different.

441 SEMINAR IN COMPARATIVE POLITICS**3 sem. hrs.**

Theoretical frameworks of comparative politics for explaining development, democracy, and governance. Prerequisite: Graduate standing in Politics and Government or consent of instructor.

442 TOPICS IN COMPARATIVE POLITICS**3 sem. hrs.**

A selected region, e.g., Western Europe, Middle East, Africa, Latin America, etc., or selected topic, e.g., global development. May be repeated once if content different.

451 SEMINAR IN INTERNATIONAL RELATIONS
3 sem. hrs.

Provides thorough introduction to main theoretical literatures, policies and practices in the field of international relations as preparation for research in the topics seminar (452). May be repeated once if content different.

452 TOPICS IN INTERNATIONAL RELATIONS
3 sem. hrs.

Focuses on a compelling theoretical, policy or practice-related issue or issues in the field of international relations to provide students with an opportunity for in depth research. May be repeated once if content different.

461 SEMINAR IN POLITICAL THEORY
3 sem. hrs.

Study of political theories and ideologies from antiquity to modernity. Seminar may focus on particular political thinkers or normative political issues and themes. May be repeated once if content different.

463 SEMINAR IN DEMOCRATIC THEORY
3 sem. hrs.

This course provides a broad introduction to contemporary democratic theory. Prerequisite: Graduate student or by permission of instructor.

470 SEMINAR IN COMMUNITY DEVELOPMENT
3 sem. hrs.

The seminar will review the theoretical and applied literature on community development, investigating strategies in both domestic and international contexts. Prerequisites: Graduate standing in POL, ECO, or SOA, or consent of instructor. Also offered as SOC 470.

472 NOT FOR PROFIT ADMINISTRATION
3 sem. hrs.

Skills needed for creating and managing not for profit organizations for community development, both in the U.S. and internationally. Prerequisite: Graduate standing in POL, ECO, or SOA, or consent of instructor.

474 COMMUNITY RESEARCH I
2 sem. hrs.

Applied experience in working with community groups to design and implement research activities.

475 COMMUNITY RESEARCH II
2 sem. hrs.

Applied experience in reporting and presenting research results to community groups.

476 INTRODUCTION TO GRANT WRITING
1 sem. hrs.

Information about identifying appropriate grant funding and instruction in writing competitive grant proposals.

477 COMMUNITY PROJECT DESIGN AND MANAGEMENT
3 sem. hrs.

Design, planning, and implementation skills for leadership of community development projects. Focus on applied research, group process, budget management, and grant writing. Prerequisite: Graduate standing in POL, ECO, or SOA, or consent of instructor

478 TOPICS IN ADMINISTRATION AND PLANNING
2 sem. hrs.

Emphasizes skills needed for community and economic development domestically and internationally, including strategic planning, non-profit administration, and feasibility studies. Prerequisite: Graduate standing in ECO, POL, or SOA, or consent of instructor.

490 READINGS IN POLITICAL SCIENCE
1-3 sem. hrs.

For the student who would benefit from more specialized or independent study adapted to his/her background and needs. To be taken only with permission of the student's adviser. May be repeated if content different.

491 INTERNSHIP IN COLLEGE TEACHING IN POLITICAL SCIENCE
3 sem. hrs.

Credit for the course is given in C&I (see C&I 491).

495 GRADUATE RESEARCH IN APPLIED COMMUNITY DEVELOPMENT
3 sem. hrs.

Taken in conjunction with POL 498.12. Involves independent research on a substantive problem in community development associated with the student's professional practice experience. Prerequisite: POL 498.12 or concurrent registration.

496 INTRODUCTION TO POLITICAL INQUIRY
3 sem. hrs.

This course intends to provide an analysis of different modes of political inquiry.

497 INTRODUCTION TO RESEARCH METHODOLOGY
3 sem. hrs.

An introduction to empirical political analysis, concentrating on selection of a research problem, collection of data, research design, and execution of a complete research project. Emphasis on understanding and interpreting frequently used statistical concepts. Provides a background for the preparation of the thesis. Enables the student to become an intelligent consumer of the products of professional political science research.

498 PROFESSIONAL PRACTICE
1-6 sem. hrs.

Public service or community development internship.

499 MASTER'S THESIS
1-6 sem. hrs.**PSYCHOLOGY (PSY)**

435 DeGarmo Hall (309) 438-8651
www.psychology.ilstu.edu

See the department's Web site for links to specific programs and sequences.

Chairperson: Michael Leippe. Office: 435E DeGarmo Hall.
Graduate Program Coordinators: Matthew Hesson-McInnis, J. Scott Jordan, Karen Mark, Marla Reese-Weber, Kimberly Schneider, Mark Swerdlik.

Graduate Faculty: D. Barone, R. Bergner, L. Berk, J. Binning, G. Braswell, S. Catanzaro, G. Cates, G. Creasey, K. Critchfield, T. Critchfield, J. Cutting, E. DeSouza, D. Eisenstadt, V. Farmer-Dougan, B. Heidenreich, M. Hesson-McInnis, K. Hoff, A. House, B. Huber, A. Hund, P. Jarvis, J. Jordan, J. Kahn, S. Landau, M. Leippe, K. Mark, D. McBride, A. Meyers, M. Nauta, K. Pfost, J. Pryor, G. Redding, G. Reeder, M. Reese-Weber, R. Rivadeneyra, K. Schneider, W. Schneider, M. Stevens, M. Swerdlik, R. Tobin, J. Wagman, C. Zimmerman.

University Regulations

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Use of credit hours from the course group 393, 397, 400, 493, 498 toward a degree is limited. No more than 9 hours total from this group count toward the degree. No more than 6 of the 9 hours may come from 400. Review degree requirements and count previous hours taken from this group before enrolling, since once the limit is reached, no more hours from this group will apply toward the degree.

Use of thesis/dissertation hours toward a degree is limited.

Student-at-Large: Courses taken as a student-at-large do not count toward the degree unless recommended by the degree program. Limit of 12 hours.

Transfer of Credit: Transfer courses must meet university qualifications *and* be approved by the program and Graduate School. No transfer of the following: courses with grade lower than B, independent study, courses from non-accredited universities, courses used toward another degree, courses over six years old when student first registered for the ISU degree program. No transfer credit is counted toward 400-level hours requirement. Request for Transfer of Credit form is posted at www.grad.ilstu.edu/plans.

Time Limitations: Degree completion is subject to university time limitations. Students who do not meet the time limit may be required to retake courses.

Readmission of Former Students: A lapse in registration of one calendar year or more requires application for readmission to the university.

Continuous Registration: Thesis and dissertation students must maintain continuous registration. Students generally enroll in 499 Master's Thesis or 599 Doctoral Dissertation. Under certain circumstances 499.01, 499.90, 599.01, or 599.90 may be appropriate.

School Psychology. All graduate students are required to take PSY 440, and must complete a thesis, dissertation, or comprehensive examination project. Each program's requirements are given below. The department also operates the Psychological Services Center (PSC) for the assessment and treatment of children and families. Some graduate students enrolled in the practica spend part of their time working in the PSC.

Admission Requirements

To be admitted to a Psychology degree program, an applicant must submit, to the University's Admissions Office, a Graduate Application for Admission/Readmission, an official transcript from every institution of higher learning attended, official Graduate Record Examination General Test scores, and have at least a 3.0 grade point average in the last 60 hours of undergraduate work. Applicants are to provide, to the department, three letters of recommendation. Doctoral applicants must complete the Vita Sheet (see the department's Web site) and be available for a campus interview. Specialist or master's applicants must complete the Graduate Student Data Sheet, also available at the department's Web site. A writing sample is required for all applicants, except for the Industrial/Organizational-Social Psychology sequence and the Quantitative Psychology sequence.

Prospective students applying for admission to the Clinical-Counseling Psychology program are required to have 15 hours of undergraduate classes in Psychology that include introductory psychology or an equivalent course, statistics or equivalent, research design or equivalent, abnormal psychology or equivalent, and a learning theory course or equivalent.

Students applying for admission to the School Psychology programs and the Psychology program (with sequences in Cognitive and Behavioral Sciences, Developmental Psychology, Industrial/Organizational-Social Psychology, and Quantitative Psychology) are required to have completed a minimum of 21 semester hours in undergraduate psychology classes that include introductory psychology or an equivalent course, statistics or equivalent, and research design or equivalent.

School Psychology Programs

Doctor of Philosophy (Ph.D.) in School Psychology

The doctoral program in school psychology is currently accredited by the Committee on Accreditation of the American Psychological Association, 750 First Street, NE, Washington, DC 20002-4242, (202) 336-5979. This program is also approved by the National Association of School Psychologists/National Council for the Accreditation of Teacher Education. The doctoral program is designed to prepare professionals to assume a variety of leadership positions in the field, including direct service provider, supervisor of psychological services, and university trainer. Graduates work in a variety of settings such as public and private schools, universities, hospitals, mental health centers, and independent practice. Graduates of the doctoral program, with the required post-doctoral experience, are eligible for the state licensing examination for clinical psychologists, as well as for the state and national certification examinations for school psychologists.

This program includes formal course work; practica; passing a comprehensive examination; completing a year-long internship.

The Department of Psychology offers the Master of Arts degree and the Master of Science degree in Psychology and in Clinical-Counseling Psychology, the Specialist degree in School Psychology, and the Doctor of Philosophy degree in

research apprenticeship or master's thesis, and a dissertation; and completing a minimum of 101 hours. Requirements include completion of core courses in the basic areas of psychology including PSY 320, 347, 418, 420, 431, 451 (or equivalent), 452, 463, 472, 547, and research (PSY 440, 441, 444, 499 or 502, 503, 599, and one approved elective). Students are also required to complete courses in the four skill areas of assessment (PSY 432, 433, 435), intervention (PSY 421, 473), supervision/administration (PSY 536), and consultation/program evaluation (PSY 474, SED 513). Students complete 19 hours of practica, 6 hours of elective courses, and an internship (PSY 598). Students are required to be in residence for at least one academic year. See residency requirements defined in this catalog.

The Department operates the Psychological Services Center (PSC) and participates in a multidisciplinary psychoeducational center for the assessment and treatment of children and families. These along with a variety of other schools and agencies serve as practicum sites for both the Ph.D. and SSP school psychology programs.

Specialist in School Psychology (S.S.P.)

This program is approved by the Illinois State Board of Education and by the National Association of School Psychologists/National Council for the Accreditation of Teacher Education. Graduates of the specialist program are eligible to sit for the state and national certification examinations for school psychologists. This program requires three years of full-time study and is designed to prepare students to function as school psychologists in public schools. As part of a year-long practicum, students work in the Psychological Services Center and in school-based sites. Students may choose to complete an Applied Research Experience in School Psychology (PSY 402) or a research thesis and must complete an internship. Sixty (60) hours are required including PSY 347, 402 (4 hrs.), C&I 407, PSY 421, 432, 433, 435, 436.04 (6 hrs.), 436.05 (6 hrs.), 440, 452, 463, 472, 473, 474, 489.05 (4 hrs. for first year field-work experience), 498.01 (2-4 hrs. for full-time internship), SED 422 and 593 (1 hr.). PSY 347 or equivalent required if not taken as part of an undergraduate course of study.

Clinical-Counseling Psychology Program (M.A./M.S.)

This program requires two years of full-time study and is designed to prepare students to provide counseling services in settings such as mental health centers, family service agencies, employee assistance programs, community colleges, substance abuse treatment facilities, and other mental health positions. The program includes at least two semesters of practica in community settings which build on course work in basic psychology, psychological assessment, and theories and techniques of psychotherapy. Practicum placements prepare students to work with a diverse clientele. Students who complete this program meet curricular requirements to sit for both the Illinois Licensed Clinical Professional Counselor and Licensed Professional Counselor Examinations (www.psychology.ilstu.edu/cc/LCPCrequirements.html). Students must complete a thesis (PSY 499) or a clinical competency project (PSY 490). Forty-eight (48) hours are required, including PSY 420, 421, 436.02 (at least 6 hrs.), 437, 438, 440, 451, 464, 465, 466, 467, 468, and 470. Additional courses must be chosen in consultation with the coordinator of the Clinical-

Counseling Psychology program. Students completing a clinical competency project must take 3 hours of elective credit. PSY 400 may not be substituted for elective course credit.

Psychology Program (M.A./M.S.)

Students are admitted into the Psychology master's degree program in one of the following sequences: Cognitive and Behavioral Sciences, Developmental Psychology, Industrial/Organizational-Social Psychology, or Quantitative Psychology. Students may choose to complete requirements for two sequences simultaneously. All sequences require PSY 418, 420, and 440. Only 4-6 hours of PSY 499 (Master's Thesis) count towards the degree. Sequence requirements and descriptions are given below.

Cognitive and Behavioral Sciences Sequence

This sequence of study emphasizes the development of topical, methodological, and quantitative skills in basic research content areas. The training is applicable to doctoral study (especially in behavioral neuroscience and cognitive science), community college teaching, and certain positions emphasizing research in the business-industrial sector or empirical decision-making in non-clinical behavior management. A thesis is required. Thirty-seven (37) hours are required including PSY 400 (or BSC 400), 427, 441, 455, 462, 463, 480, 499, and one extra-department elective course.

Developmental Psychology Sequence

This sequence is designed for students who plan to pursue doctoral work or a career applying developmental psychology to children, adolescents, or the elderly. Students may complete professional practice opportunities for credit in addition to course work. Students may also complete the Graduate Certificate in Women's Studies or the Graduate Certificate in Social Aspects of Aging. See a description of these opportunities below. A thesis is required. First and second year students must enroll in PSY 428 for one credit hour each semester for a total of four credit hours. Thirty-six (36) hours are required including PSY 333.01, 428, 452, 453, 499, and SOC 411.

Industrial/Organizational-Social Psychology Sequence

This sequence prepares students to apply psychological theory and methodology in various employment settings involving human resources management, personnel administration, workforce training, organizational development, or organizational research. This sequence, which can be completed in two years, also prepares students to enter doctoral programs. Students may elect professional practice placements or conduct research in a variety of areas of I/O Psychology and Social Psychology. A thesis is required. Forty-one (41) hours are required including PSY 375, 376, 426.01, 426.02, 426.03, 426.04, 431, and 499. Three of the following courses are also required: PSY 441, 442, 443, 444, or 445. Additional courses must be selected with the assistance of the sequence coordinator based on the student's focus (Industrial/Organizational Psychology or Social Psychology).

Quantitative Psychology Sequence

This sequence covers basic and applied statistics relevant to all areas of psychology. Students have the opportunity to develop substantive research interests in psychology, statistical consulting skills, and teaching skills. Students who complete the sequence are prepared to enter doctoral programs, provide statistical consultation, work in applied research settings, and teach. Thirty-two (32) hours are required, including a research thesis and PSY425, 441, 442, 443, 444, 445, and 499.

Additional Training Options: Certificate

Graduate Certificate in Women's and Gender Studies

The Graduate Certificate in Women's and Gender Studies is an option for students whose interest in women and gender issues leads them toward particular courses and thesis topics in their department/school and to seek further work in interdisciplinary feminist theory and methods. For admission requirements and other information, see the Women's and Gender Studies section of this catalog.

Graduate Certificate in Social Aspects of Aging

The Graduate Certificate in Social Aspects of Aging is a multidisciplinary program designed to offer a limited number of academically and professionally oriented graduate experiences in aging. The graduate certificate is located within the Department of Sociology and Anthropology in cooperation with the Departments of Family and Consumer Sciences, Health Sciences, Psychology, Social Work, and Speech Pathology and Audiology. For admission requirements and other information, see the Department of Sociology and Anthropology section of this catalog.

Courses

301 INFANT AND CHILD DEVELOPMENT

3 sem. hrs.

Motor, cognitive, and emotional development and personality growth of children, birth through pre-adolescence. Prerequisite: PSY 110 or 111.

302 ADOLESCENT DEVELOPMENT

3 sem. hrs.

Psychosocial issues are covered across developmental contexts for adolescents experiencing fundamental biological, cognitive, and social changes. Prerequisites: PSY 110 or 111; PSY 213 or 215 or 231 or C&I 210.

303 ADULT DEVELOPMENT AND AGING

3 sem. hrs.

A study of physical, cognitive, and personality development during adulthood, with emphasis on theories, empirical data, research methods, and current issues. To receive graduate credit for this course, students will complete an independent project in addition to the regular course requirements. Prerequisite: PSY 110 or 111.

305 PSYCHOLOGY OF WOMEN

3 sem. hrs.

Psychological research to place in scientific perspective the etiology and behavioral consequences of female- and male-oriented attitudes. Prerequisite: PSY 110 or 111.

320 HISTORY OF PSYCHOLOGY

3 sem. hrs.

Historical antecedents of modern psychology. Examination of modern psychology from a systematic point of view. Prerequisite: PSY 110 or 111.

331 LABORATORY IN RESEARCH METHODS FOR PSYCHOLOGY

3 sem. hrs.

Advanced research course focusing on particular content areas. Sections concentrate on different areas: .01 Developmental, .03 Operant Behavior, .04 Perceptual, .05 Social, .07 Cognitive Processes, .09 Physiological, .11 Personality. Prerequisites: ECO/GEO/POL/PSY 138 and PSY 231, or consent of instructor. May be repeated if content different.

333 PRINCIPLES OF BEHAVIOR MODIFICATION

3 sem. hrs.

Principles of behavior modification with an emphasis upon their use in a variety of educational and clinical settings. Prerequisite: PSY 110 or 111.

334 PSYCHOLOGICAL MEASUREMENT

3 sem. hrs.

Use of psychological testing in applied settings and fundamentals of measurement theory, including interpretation of test scores, reliability and validity assessment, and test development. Prerequisite: PSY 110 or 111; ECO 138 or GEO 138 or POL 138 or PSY 138 or MAT 250 or 351 or MQM 100 or consent of department.

340 STATISTICS FOR THE SOCIAL SCIENCES

3 sem. hrs.

Advanced statistical techniques for the behavioral sciences including hypothesis testing, inferential statistics, and data analysis using SPSS. Prerequisites: ECO GEO/POL/PSY 138; and MAT 120, 121, 144, or 145. Not for credit if had PSY 240 or 345.

346 PSYCHOLOGY OF EXCEPTIONAL CHILDREN

3 sem. hrs.

A study of the socio-psychological factors influencing the exceptional child's cognitive and affective development with implications for those working with exceptional children. May include clinical experiences: Type 1. Prerequisite: PSY 110 or 111.

347 BEHAVIOR DISORDERS IN CHILDREN

3 sem. hrs.

Medical, psychological, and sociological aspects of behavioral disorders of children. Prerequisite: PSY 110 or 111.

350 PSYCHOPATHOLOGY

3 sem. hrs.

Behavior disorders, neuroses, psychoses, character disorders, mental deficiencies, and other psychopathological conditions. Prerequisite: PSY 110 or 111.

360 LEARNING

3 sem. hrs.

Experimental data bearing on the problem of learning; learning theory; learning data and theory in relation to applied problems. Prerequisite: PSY 110 or 111; PSY 231.

361 PERCEPTION
3 sem. hrs.

Cognitive processes and their relationship to other processes. Relationship of sensation, attention, and memory to perception and factors influencing perception. Prerequisite: PSY 110 or 111; PSY 231.

364 MOTIVATION
3 sem. hrs.

Evolution of basic concepts leading to contemporary explanation of determiners of action with application to vocational, social, and educational areas. Prerequisite: PSY 110 or 111; PSY 231.

365 DYNAMICS OF SOCIAL BEHAVIOR
3 sem. hrs.

An overview of the explanations for various aspects of social behavior, e.g., interaction, attitudes, person perception, etc. Prerequisites: PSY 110 or 111; PSY 223 or SOC 223.

367 INTRODUCTION TO BEHAVIORAL PSYCHOPHARMACOLOGY
3 sem. hrs.

Foundation concepts of behavioral psychopharmacology including basic brain anatomy and physiology, neural mechanisms of drug action, and examination of drug action and behavior. Prerequisites: PSY 110 or 111; PSY 231; and BSC 101 or 196; PSY 263 recommended.

368 HUMAN MEMORY
3 sem. hrs.

Basic theories and findings in the study of human memory with a focus on organization, development, distortions, and disorders. Prerequisite: PSY 110 or 111; PSY 231.

369 PSYCHOLINGUISTICS
3 sem. hrs.

Basic theories and findings in the study of psychological processes of language use. Prerequisite: PSY 110 or 111; PSY 231.

375 PERSONNEL PSYCHOLOGY
3 sem. hrs.

Procedures, methods, and professional issues relevant to matching job candidates' personal attributes to the requirements of specific jobs; emphasis is on personnel selection, training, and EEO legal compliance. Prerequisite: PSY 230 or 334 or consent of instructor.

376 ORGANIZATIONAL PSYCHOLOGY
3 sem. hrs.

Research methods and results concerning social psychology of work organizations. Descriptions of practices in organizational psychology. Prerequisite: PSY 230 or consent of instructor. Not for credit if had MQM 221 or 421.

400 INDEPENDENT STUDY
1-4 sem. hrs.

Refer to Index for General Courses.

402 APPLIED RESEARCH EXPERIENCE IN SCHOOL PSYCHOLOGY
2 sem. hrs.

Participation in an applied research project under supervision of faculty. Includes conceptualizing research questions, collecting, analyzing, and interpreting data. Prerequisite: Graduate standing in School Psychology specialist program. May be repeated for maximum of 4 hours.

418 LEARNING AND COGNITION
3 sem. hrs.

A consideration of historical and contemporary theories of learning and cognition, and their relationship to experimental data at the biological, behavioral, perceptual, cognitive, and social levels of analysis. Prerequisite: Graduate standing in Psychology or departmental approval.

420 THEORIES OF PERSONALITY
3 sem. hrs.

Analysis of major theoretical formulations concerning personality with emphasis upon their current status and evidential bases. Prerequisite: Graduate standing in Psychology or departmental approval.

421 ADVANCED BEHAVIOR MODIFICATION
3 sem. hrs.

Techniques for changing behavior through manipulation of environment. General principles of conditioning plus their application to patterns of problem behavior. Prerequisite: Graduate standing in Psychology or departmental approval.

425 QUANTITATIVE PSYCHOLOGY PROFESSIONAL SEMINAR
1 sem. hr.

Provides students and faculty an opportunity to exchange information, present research, examine professional issues, and explore professional practice issues. Prerequisite: Graduate standing in Quantitative Psychology Sequence or consent of instructor. May be repeated for maximum of 4 hours.

426 RESEARCH AND PRACTICE IN I/O-SOCIAL PSYCHOLOGY
1 sem. hr.

Provides students and faculty an opportunity to exchange information, present research, examine professional issues, and explore professional practice issues. Prerequisite: Graduate standing in I/O-Social Psychology. May be repeated for maximum of 4 hours.

427 COGNITIVE AND BEHAVIORAL SCIENCES PRO-SEMINAR
1 sem. hr.

Provides students and faculty an opportunity to exchange information, present research, examine professional issues, and explore professional practice issues. Prerequisite: Graduate standing in Cognitive and Behavioral Sciences. May be repeated for maximum of 4 hours.

428 PROFESSIONAL SEMINAR IN DEVELOPMENTAL PSYCHOLOGY
1 sem. hr.

Provides students and faculty an opportunity to exchange information, present research, examine professional issues, and explore professional practice issues. Prerequisite: Graduate standing in Developmental Psychology. May be repeated for maximum of 4 hours.

431 THEORY AND RESEARCH IN SOCIAL PSYCHOLOGY
3 sem. hrs.

Topics include methods of research in social psychology, social cognition, persuasion, sex roles, self, helping and aggression, and group processes. Prerequisite: Graduate standing in Psychology or departmental approval; undergraduate social psychology course recommended.

- 432 PSYCHODIAGNOSTICS I**
3 sem. hrs.
Theory of and training in individual mental testing with emphasis on the Binet and the Wechsler tests. Prerequisite: Graduate standing in School Psychology, Clinical-Counseling Psychology, or departmental approval. Materials charge optional.
- 433 PSYCHODIAGNOSTICS II**
3 sem. hrs.
Theoretical foundations and applied training in methods of assessing social, emotional, and behavioral problems and how these methods link to interventions. Prerequisite: Graduate standing in School Psychology or Clinical-Counseling Psychology. Materials charge optional.
- 435 DIAGNOSTIC PROCEDURES**
3 sem. hrs.
Assessment, diagnosis, and review of empirically supported intervention methods for psychoeducational problems including learning disabilities. Prerequisites: PSY 432 and graduate standing in School Psychology. Materials charge optional.
- 436 PRACTICUM**
1-12 sem. hrs.
Clinical practice in university facilities and outside agencies. Provides training in diagnosis and treatment. Fifteen hours per week. Prerequisite for Clinical-Counseling Psychology: Must be graduate student in 2nd year of Clinical-Counseling Psychology program. Prerequisites for School Psychology: PSY 432, 433, 435; must be graduate student in at least 2nd year of School Psychology program. May be repeated for maximum of 12 hours.
- 437 GROUP PSYCHOTHERAPY AND COUNSELING**
3 sem. hrs.
Theory and research in group dynamics and techniques of group therapy and counseling. Indirect experience as group member and group leader through role-playing and experiential exercises. Prerequisites: PSY 464; and graduate standing in Clinical-Counseling or School Psychology or departmental approval.
- 438 TECHNIQUES OF OBJECTIVE PSYCHOLOGICAL ASSESSMENT**
3 sem. hrs.
Clinical application of representative techniques of objective measurement. Selection, integration, and interpretation of tests will be included. Prerequisite: Graduate standing in Clinical-Counseling Psychology or departmental approval. Materials charge optional.
- 440 STATISTICS: DATA ANALYSIS AND METHODOLOGY**
3 sem. hrs.
Conceptual foundations of empirical hypothesis testing and advanced aspects of data analysis using SPSS, building on procedural knowledge covered in undergraduate statistics courses. Prerequisites: Graduate standing in Psychology, undergraduate course in statistics, and completion of placement test; or departmental approval.
- 441 EXPERIMENTAL DESIGN**
3 sem. hrs.
Statistical principles of experimental design; selection, analysis, and interpretation of Analysis of Variance and Covariance designs in the behavioral sciences. Prerequisite: PSY 440.
- 442 TEST THEORY**
3 sem. hrs.
Theory and principles of test reliability and validity, topics in test theory, and statistical procedures applicable to psychometric methods. Prerequisites: PSY 440; basic knowledge of norms, reliability, validity, and test construction.
- 443 SURVEY METHODS AND ANALYSIS**
3 sem. hrs.
Overview of survey research methods in psychology and data analysis using advanced correlational analysis and regression models. Prerequisite: PSY 440.
- 444 MULTIVARIATE ANALYSIS**
3 sem. hrs.
Topics covered include basic matrix algebra and linear transformations, analysis of covariance with multiple covariates, multivariate significance tests of group differences, discriminant analysis, and multivariate analysis of variance. Prerequisite: PSY 440.
- 445 COVARIANCE STRUCTURE MODELING**
3 sem. hrs.
Theoretical, methodological, and applied concepts of covariance structure modeling and latent variable modeling in psychological research. Prerequisite: PSY 444.
- 451 PSYCHOLOGY OF DIVERSITY**
3 sem. hrs.
Examination of theoretical, methodological, and applied issues relevant to the study and practice in psychology in multicultural settings. Prerequisite: Graduate standing in Psychology or departmental approval. Formerly PSY 480.28.
- 452 SEMINAR IN DEVELOPMENTAL PSYCHOLOGY**
3 sem. hrs.
Examination of historical and contemporary theories, research, and applications of development. Cognitive, social, biological, behavioral, and cultural aspects of development considered. Formerly PSY 480.15.
- 453 SEMINAR IN ADOLESCENT DEVELOPMENT**
3 sem. hrs.
Examination of theories, methodologies, and topics in the study of normal adolescent development using an interdisciplinary approach. Prerequisite: Graduate standing in Psychology or departmental approval. Formerly PSY 480.23.
- 455 COGNITIVE SCIENCE**
3 sem. hrs.
Advanced overview of the interdisciplinary field of cognitive science focusing on readings from philosophy, computer science, psychology, and theoretical biology. Prerequisite: PSY 418 or departmental approval.
- 460 SEMINAR IN SOCIAL PSYCHOLOGY**
3 sem. hrs.
This course provides students with in-depth coverage of selected topics in social psychology in a seminar format. Prerequisites: PSY 431; and graduate standing in I/O-Social Psychology or departmental approval. May be repeated if content different for maximum of 6 hours.
- 462 EXPERIMENTAL ANALYSIS OF BEHAVIOR**
3 sem. hrs.
Current research and theory on operant and respondent conditioning. Prerequisite: PSY 360 or 418 or departmental approval.

**463 BRAIN AND BEHAVIOR
RELATIONSHIPS**
3 sem. hrs.

A survey of the relationship of the brain to various behavioral systems with particular emphasis on the developing brain. Prerequisites: Graduate standing in Psychology; basic knowledge of physiological psychology.

**464 THEORIES AND TECHNIQUES
OF COUNSELING: ADULTS**
3 sem. hrs.

Major theoretical positions applied to counseling approaches. Emphasis on science-informed practices relevant to contemporary issues with diverse populations and settings. Prerequisite: Graduate standing in Clinical-Counseling Psychology or departmental approval; personality course recommended.

465 VOCATIONAL COUNSELING
3 sem. hrs.

Theory and research in vocational development and counseling. Acquiring and using occupational and educational information. Prerequisite: Graduate standing in Clinical-Counseling Psychology or departmental approval.

466 SUBSTANCE ABUSE COUNSELING
3 sem. hrs.

The history, assessment methods, conceptual perspectives, intervention strategies, and empirical research relevant to substance abuse and its treatment. Prerequisite: Graduate standing in Clinical-Counseling Psychology or departmental approval.

467 FAMILY THERAPY
3 sem. hrs.

Examination of the family systems approach to human problems, with emphasis on its central rationale, most prominent contemporary theories and their application. Prerequisite: Graduate standing in School Psychology or Clinical-Counseling Psychology or departmental approval. Not for credit if had PSY 480.09.

**468 ADVANCED PSYCHOPATHOLOGY AND
MENTAL HEALTH DIAGNOSIS**
3 sem. hrs.

Clinical use of mental health classification in counseling and other settings. Major focus on use of current *Diagnostic and Statistical Manual of Mental Disorders*. Prerequisites: PSY 350; and graduate standing in Clinical-Counseling Psychology or departmental approval. Not for credit if had PSY 480.05.

**470 LEGAL, ETHICAL, AND
PRACTICE ISSUES IN
CLINICAL-COUNSELING PSYCHOLOGY**
3 sem. hrs.

Survey of practice issues and roles assumed by psychologists as mental health professionals. Emphasis on legal and ethical guidelines and issues. Prerequisite: Graduate standing in Clinical-Counseling Psychology or departmental approval.

**472 LEGAL, ETHICAL, AND
PROFESSIONAL ISSUES
IN SCHOOL PSYCHOLOGY**
3 sem. hrs.

Examination of the roles, functions, and professional problems in School Psychology. Prerequisite: Graduate standing in School Psychology.

**473 THEORIES AND TECHNIQUES OF
COUNSELING: CHILDREN AND
ADOLESCENTS**
3 sem. hrs.

Introduction to the main theories of psychosocial assessment and intervention, supporting research, and practical applications with children and adolescents. Prerequisite: Graduate standing in School Psychology or departmental approval.

**474 THEORY AND PRACTICE
OF MENTAL HEALTH
CONSULTATION IN THE SCHOOLS**
3 sem. hrs.

Examination of consultation theory, research, and practice by school psychologists. Prerequisite: Graduate standing in School Psychology or departmental approval.

475 SEMINAR IN PERSONNEL PSYCHOLOGY
3 sem. hrs.

Examination of historical and contemporary theories, research, and applications of psychology in the context of various aspects of human resource management. Prerequisite: Graduate standing in Industrial/Organizational-Social Psychology or departmental approval.

**476 SEMINAR IN ORGANIZATIONAL
PSYCHOLOGY**
3 sem. hrs.

Examination of theories and applications of organizational psychology. Focus on organizational conceptualizations, diagnoses, and interventions in organizations. Job-related attitudes, behaviors, and current issues relevant to changing nature of work also considered. Prerequisite: Graduate standing in Industrial/Organizational-Social Psychology or departmental approval.

480 SEMINAR IN PSYCHOLOGY
1-3 sem. hrs.

Intensive study of special topics in psychology. Prerequisite: Graduate standing in appropriate Psychology program or sequence or departmental approval. May be repeated if content different.

490 CLINICAL COMPETENCY PROJECT
1-3 sem. hrs.

Capstone project involving theoretical, review, or position paper on a topic of contemporary relevance, completed under supervision of Clinical-Counseling faculty. Prerequisite: Graduate standing in Clinical-Counseling Psychology. May be repeated for maximum of 3 hours.

**491 INTERNSHIP IN COLLEGE TEACHING
OF PSYCHOLOGY**
3 sem. hr.

Credit for this course is given in C&I (see C&I 491). Prerequisite: Graduate standing in Psychology.

498 PROFESSIONAL PRACTICE
1-12 sem. hrs.

Available in Psychology master's degree program (Cognitive and Behavioral Sciences and in Developmental, Industrial/Organizational-Social, and Quantitative Psychology sequences) and School Psychology. Refer to Index for General Courses. Prerequisite: Consent of program or sequence coordinator. May be repeated for credit.

499

MASTER'S THESIS

1-6 sem. hrs.

Refer to Index for General Courses. Departmental approval of thesis topic and chair required.

500

INDEPENDENT STUDY

1-4 sem. hrs.

Refer to Index for General Courses. Prerequisite: Graduate standing in School Psychology doctoral program.

502

RESEARCH APPRENTICESHIP

1-3 sem. hrs.

Provides the doctoral student with an intensive experience related to the development and implementation of an empirical research project. Prerequisite: Graduate standing in School Psychology doctoral program.

503

DOCTORAL RESEARCH PROSEMINAR IN SCHOOL PSYCHOLOGY

1 sem. hr. over fall and spring semesters

Provides training to insure the development of a research proposal for the Ph.D. research apprenticeship/dissertation including the IRB. Prerequisite: First year enrollment in the school psychology doctoral program.

536

SEMINAR AND PRACTICUM IN SUPERVISION OF SCHOOL PSYCHOLOGICAL SERVICES

3 sem. hrs.

Goal of the course is to prepare school psychologists to supervise colleagues at various stages of their professional development. Prerequisite: Graduate standing in School Psychology doctoral program.

539

SEMINAR AND PRACTICUM IN NEUROPSYCHOLOGICAL ASSESSMENT OF CHILDREN

3 sem. hrs.

Examination of current professional issues related to neuropsychological assessment. Prerequisites: PSY 432, 435, 463, and graduate standing in School Psychology doctoral program.

540

SEMINAR AND PRACTICUM IN PROGRAM EVALUATION

3 sem. hrs.

Theory and practices of assessing impact and/or value of programs and projects involving psychoeducational interventions. Prerequisites: PSY 441 and graduate standing in School Psychology doctoral program.

547

ADVANCED CHILD AND ADOLESCENT PSYCHOPATHOLOGY

3 sem. hrs.

Advanced study of the theories, characteristics, epidemiology, interventions, and research strategies involving the psychopathological disorders of childhood and adolescence. Prerequisite: Graduate standing in doctoral program in School Psychology or departmental approval.

580

ADVANCED SEMINAR IN CHILD AND ADOLESCENT THERAPEUTIC INTERVENTIONS

3 sem. hrs.

Examination of current professional and research issues related to therapeutic interventions. Exploration of research literature on special topics. Prerequisites: PSY 447 and graduate standing in School Psychology doctoral program.

590 ADVANCED PRACTICUM IN SCHOOL PSYCHOLOGY

1-3 sem. hrs.

Practical field-based experiences in implementation and evaluation of counseling and therapy with children and adolescents, psychoeducational assessment, consultation/program evaluation, or supervision/administration. Prerequisites: PSY 580 or concurrent enrollment; and graduate standing in School Psychology doctoral program.

598 DOCTORAL INTERNSHIP IN SCHOOL PSYCHOLOGY

1-12 sem. hrs.

The supervised practice of school psychology in a school and/or clinical setting. Prerequisite: Graduate standing in School Psychology doctoral program.

599 DOCTORAL RESEARCH

1-15 sem. hrs.

Research relating to the dissertation requirements. Prerequisites: Graduate standing in School Psychology doctoral program; departmental approval of dissertation chairperson, committee, and topic.

SOCIAL WORK (SWK)

313 Rachel Cooper, (309) 438-3631

www.socialwork.ilstu.edu

School Director: Wanda Bracy. Office: Rachel Cooper.

Graduate Program Director: Diane Zosky.

Graduate Faculty: W. Bracy, M. Campbell, C. Edmonds-Cady, N. Hamilton, G. Harris, D. Houston, D. Liechty, J. Raines, J. Sevel, S. Smith, K. Wehrmann, D. Zosky.

University Regulations

In addition to the requirements of the individual graduate program, all students are subject to university regulations detailed in the front of the Graduate Catalog. Below is a summary of the most commonly referenced regulations. To locate full details of each regulation, use the index at the end of the catalog.

Academic Good Standing: A 3.00 minimum cumulative graduate GPA is required for graduation and for all courses and activities that require good academic standing.

Course Numbering System, Course Offerings: Some 300- and 400-level courses will not count toward graduate degrees. Any 300-level courses not listed in the Graduate Catalog are undergraduate credit only and are not available for graduate credit. Courses numbered 399 and 429 may be taken for graduate credit but do not count toward a graduate degree.

Use of credit hours from the course group 393, 397, 400, 493, 498 toward a degree is limited. No more than 9 hours total from this group count toward the degree. No more than 6 of the 9 hours may come from 400. Review degree requirements and count previous hours taken from this group before enrolling, since once the limit is reached, no more hours from this group will apply toward the degree.

Use of thesis/dissertation hours toward a degree is limited.

Student-at-Large: Courses taken as a student-at-large do not count toward the degree unless recommended by the degree program. Limit of 12 hours.

Transfer of Credit: Transfer courses must meet university qualifications and be approved by the program and Graduate School. No transfer of the following: courses with grade lower than B, independent study, courses from non-accredited universities, courses used toward another degree, courses over six years old when student first registered for the ISU degree program. No transfer credit is counted toward 400-level hours requirement. Request for Transfer of Credit form is posted at www.grad.ilstu.edu/plans.

Time Limitations: Degree completion is subject to university time limitations. Students who do not meet the time limit may be required to retake courses.

Readmission of Former Students: A lapse in registration of one calendar year or more requires application for readmission to the university.

Continuous Registration: Thesis and dissertation students must maintain continuous registration. Students generally enroll in 499 Master's Thesis or 599 Doctoral Dissertation. Under certain circumstances 499.01, 499.90, 599.01, or 599.90 may be appropriate.

The School offers the Master of Social Work degree, which prepares students for advanced social work practice. The program offers a concentration in Child and Family Practice that prepares graduates for agency-based practice with at-risk families. The program also offers an Illinois State Board of Education-approved School Social Work Sequence that prepares graduates for social work practice in schools. The degree curriculum is a 60-hour, two-year program for full-time students. New students who have undergraduate degrees in fields other than social work or from non-accredited social work programs enter the program in the fall semester. Students with undergraduate social work degrees from programs accredited by the Council on Social Work Education may be given advanced standing and begin the program in the summer semester. Students will be accepted into either the full-time program or part-time program.

General Admission Requirements

To be considered for admission to the program as a degree candidate, an applicant must have a GPA of 3.0 on a 4.0 scale for the last 60 hours of undergraduate course work. The Graduate Record Exam (General Test) is required if the GPA for the last 60 hours is below 3.0. In addition, a student must have successfully completed (grade of C or better) at least 40 hours of liberal arts courses, including a course in statistics and a course in human biology, and 15 hours of social science courses other than social work.

Probationary Admission

An applicant with lower test scores or grades below the minimum level may be considered for probationary admission if there is evidence suggesting the potential for outstanding performance in the M.S.W. program. In order to remove the probationary status, students must obtain a minimum GPA of 3.0 after the completion of 12 hours of approved graduate courses. The probationary student may carry the same academic load as a regularly admitted student and is expected to meet the same standards for continuation in the program.

Advanced Standing Admission

In addition to the general admission requirements, an applicant for advanced standing status must have graduated from

an undergraduate social work program accredited by the Council on Social Work Education. An applicant must have received a C or better in the research, social welfare policy, practice, human behavior, and field instruction courses. Students admitted to the advanced standing program generally will begin their course work in the summer term. Candidates admitted into the advanced standing program generally will not be required to complete course work in the generalist foundation (SWK 402, 403, 406, 412, 416, 417, the foundation practicum seminar SWK 422, and foundation practicum SWK 498.01). Advanced standing students may be asked to take a research proficiency exam covering foundation content to allow for assessment of readiness to take SWK 445, the first of two advanced research courses. It is possible for a maximum of 24 credit hours to be waived from the program requirements.

Program Requirements

A student must maintain a cumulative GPA of 3.0 in all required courses to retain degree candidate status and earn a grade of C or better in each course to be eligible for School of Social Work practica. Enrollment in the practicum courses requires degree candidate status and must be planned in advance with the Director of Field Education. In addition, all requirements for the M.S.W. degree must be completed within six calendar years beginning with the date the student first registers as a degree candidate.

Course requirements for successful completion of the 60 hour M.S.W. degree include the following:

1. Completion of all 24 hours of required courses in the foundation curriculum: SWK 402, 403, 406, 412, 416, 417, 422, and 498.01 or waiver of these courses due to advanced standing or course waiver granted upon program admission.
2. Completion of 36 hours of advanced course work including practicum.

Required courses: 27-30 hours from SWK 444, 445, 448, 450, 454, 456, 457, 445, 448, 450, 461, 462, 463, 491, 492, 498.03 and 498.04.

Selective courses: 3-9 hours from SWK 455, 458, 462, 480, 481, and 482.

Elective courses: 0-3 hours from SWK 323, 324, 400, 411, 466, 470, 479, 484, 486, and 487, or substitute graduate coursework in another department, approved by the Director of Student Services in the School of Social Work.

The School reserves the right to enforce professional standards of practice as specified in the Illinois Clinical Social Work and Social Work Practice Act and the National Association of Social Workers Code of Ethics. These standards may be taken into consideration in program retention decisions. Students have the right to appeal these decisions.

Graduate Certificate in Social Aspects of Aging

The Graduate Certificate in Social Aspects of Aging is a multidisciplinary program designed to offer a limited number of academically and professionally oriented graduate experiences in aging. The graduate certificate is located within the

Department of Sociology and Anthropology in cooperation with the Departments of Family and Consumer Sciences, Psychology, Health Sciences, the School of Social Work, and Speech Pathology and Audiology.

Admission Requirements

Students who seek the certificate in conjunction with a degree in an academic department or school must meet admission requirements for that unit. Students who seek a certificate only must meet university graduate admission requirements and be admitted to the Graduate School. Students must maintain a 3.0 grade point average in certificate courses to be awarded the certificate.

Certificate Requirements

Twelve (12) hours are required, which include the following: Seminar in Gerontology (SOC/SWK 411, 3 hrs.), to be taken after at least 6 hours of the other elective courses have been completed; and 9 hours of electives from among the gerontology related courses listed below.

Elective Courses (9 hours): HSC/FCS 394, Health Aspects of Aging; PSY 303, Adult Development and Aging, OR PSY 304, Gerontological Psychology; COM 331, Human Communication and the Aging Process; FCS 305, Families in Later Life; SOC 310 Medical Sociology.

Experience in Gerontology: Each student enrolled in the Graduate Certificate in Social Aspects of Aging may negotiate with the certificate advisor in SOA or the cooperating department/school for 3 hours of "experience" credit in gerontology. This may include, but is not limited to, 400 Independent Study or 498 Professional Practice in any department/program which is relevant to the Social Aspects of Aging. Each "experience" is expected to involve some focused writing and analysis assignments. This experience should ordinarily be permitted after other courses are completed, including SOC/SWK 411, Seminar in Gerontology. If the experience is of a "selected problems" type, a proposal should be approved by the Graduate Certificate in Social Aspects of Aging advisor no later than the fifth week of the semester.

Courses

323 CHILD WELFARE SERVICES

3 sem. hrs.

Services for dependent, neglected, and handicapped children. Recommended before SWK 398.10 if student wishes placement in a child-serving agency. Prerequisite: SWK 222 recommended, or FCS major or SED major; or consent of instructor.

324 TOPICS IN CHILD WELFARE

3 sem. hrs.

Analysis of current child welfare topics and the role of the profession of social work. Prerequisite: SWK 323 or consent of instructor.

330 TOPICS IN CONTEMPORARY SOCIAL WORK AND SOCIAL WELFARE

1-3 sem. hrs.

Analysis of current social welfare topics and the role of the profession of social work. Prerequisite: Consent of instructor. May be repeated for maximum of 6 hours.

400 INDEPENDENT STUDY

1-3 sem. hrs.

Refer to Index for General Courses

402 HUMAN BEHAVIOR I

3 sem. hrs.

Integrates theories of human development and social systems with their implications for practice. Prerequisite: Graduate standing. Formerly SWK 410.

403 HUMAN BEHAVIOR II

3 sem. hrs.

Interrelated theories that facilitate understanding of families, groups, and communities within the broader socio-cultural environment. Prerequisites: SWK 402; and graduate standing. Formerly SWK 415.

406 SOCIAL WELFARE POLICY AND SERVICES

3 sem. hrs.

Social welfare laws and policies undergirding the U.S. system of benefits and services. Analytic frameworks for evaluating social welfare policy, programs, and issues. Prerequisite: Graduate standing. Formerly SWK 430.

411 SEMINAR IN GERONTOLOGY

3 sem. hrs.

Advanced treatment of gerontological topic or issue explored by integrating classroom learning with intergenerational service-learning experiences. Prerequisite: Graduate standing; 6 hours of other electives with focus on aging or consent of instructor. Materials fee optional. May be repeated. Also offered as SOC 411.

412 FOUNDATION RESEARCH

3 sem. hrs.

Research methods essential to effective and accountable practice. Theoretical and practical issues affecting ethical, evidence-based decisions. Prerequisite: Graduate standing. Formerly SWK 440.

416 SOCIAL WORK PRACTICE I

3 sem. hr.

Generalist practice with diverse individuals and families. Practice theories and models, and structured practice of assessment, case planning, and recording. Prerequisite: Graduate standing. Formerly SWK 421.

417 SOCIAL WORK PRACTICE II

3 sem. hrs.

Acquisition and demonstration of generalist practice skills, knowledge, and values necessary for culturally competent practice with groups, organizations, and communities. Prerequisite: SWK 416; and graduate standing. Formerly SWK 420.

422 FOUNDATION PRACTICUM SEMINAR

2 sem. hrs.

Integrates foundation coursework and generalist social work practice in an approved agency setting. Prerequisites: SWK 402, 403, 406, 412, 416, and 417; graduate standing; concurrent registration in SWK 498.01. Formerly SWK 488.

444 CULTURAL COMPETENCE

3 sem. hrs.

Examines the impact of discrimination and oppression on development and delivery of social work services to diverse populations. Prerequisites: Satisfaction of all MSW foundation requirements; and graduate standing. Formerly SWK 460.

445 PRACTICE EVALUATION I**2 sem. hrs.**

Agency-based case and program evaluation. Development of a research proposal that will be implemented in SWK 448. Prerequisites: Satisfaction of all MSW foundation requirements; and graduate standing.

448 PRACTICE EVALUATION II**2 sem. hrs.**

Acquaints students with evaluation research through the experience of doing it. Implementation of the research proposal developed in SWK 445. Prerequisites: SWK 445; satisfaction of all MSW foundation requirements; graduate standing; concurrent registration in SWK 492 and 498.04.

450 PSYCHOPATHOLOGY**3 sem. hrs.**

Classification and etiology of mental disorders across the life cycle. Critical review of assessment methods, treatment, and referral options. Prerequisites: Satisfaction of all MSW foundation requirements; and graduate standing.

454 PRACTICE WITH CHILDREN AND ADOLESCENTS**3 sem. hrs.**

Theory and treatment with children and adolescents, with particular attention to their family, school, and community contexts. Prerequisites: Satisfaction of all MSW foundation requirements; and graduate standing. Formerly SWK 428.

455 AGENCY ADMINISTRATION & PROGRAM PLANNING**3 sem. hrs.**

Organizational, leadership, and human relations theory and skills needed for effective social service delivery in human service agencies. Prerequisites: Satisfaction of all MSW foundation requirements; and graduate standing.

456 CHILD AND FAMILY POLICY**3 sem. hrs.**

Examines federal and state social welfare policies affecting children and families, especially policy related to poverty and child maltreatment. Prerequisites: Satisfaction of all MSW foundation requirements; and graduate standing. Formerly SWK 435.

457 FAMILY CENTERED PRACTICE**3 sem. hrs.**

Major approaches to working with families emphasizing vulnerable families involved with the child welfare system and other large service systems. Prerequisites: Satisfaction of all MSW foundation requirements; and graduate standing. Formerly SWK 425.

458 SOCIAL WORK AND THE LAW**3 sem. hrs.**

Laws, legal procedures, and regulations affecting social work practice, courtroom testimony skills, and analysis of contemporary legal issues. Prerequisites: Satisfaction of all MSW foundation requirements; SWK 456 or concurrent registration; and graduate standing. Formerly SWK 438.

461 SCHOOL POLICY**3 sem. hrs.**

Laws, policies, and litigation affecting schools and their implementation through administrative rules. Emphasizes student freedoms, school violence, finance reform, and students with disabilities. Prerequisites: Satisfaction of all MSW foundation requirements; and graduate standing.

462 PRACTICE WITH GROUPS**3 sem. hrs.**

Major theories, models, principles, issues, and intervention techniques of contemporary practice with groups. Prerequisite: Satisfaction of all MSW foundation requirements; and graduate standing. Formerly SWK 427.

463 SOCIAL WORK PRACTICE IN SCHOOLS**3 sem. hrs.**

Theory and practice skills for working in public schools as a host setting for social workers. Prerequisites: Satisfaction of all MSW foundation requirements; and graduate standing.

466 COMPUTER APPLICATIONS**2 sem. hrs.**

Concepts and techniques of computer use for social work. Prepares students to apply computer technology in social work settings. Prerequisite: Graduate standing.

470 PRACTICE WITH SEXUAL ABUSE**3 sem. hrs.**

Etiology, intra- and interpersonal dynamics, and consequences of sexual abuse. Assessment and intervention with abused children, adults, families, and offenders. Prerequisite: Graduate standing.

479 PRACTICE WITH OLDER ADULTS**3 sem. hrs.**

Examines later adult development, the aging process, and current strategies for meeting the needs of older adults. Prerequisite: Graduate standing.

480 FOSTER CARE AND ADOPTION**3 sem. hrs.**

Theory and research underlying practice with foster and adoptive children and families. Strategies for helping children heal from loss and trauma. Prerequisites: Satisfaction of all MSW foundation requirements; and graduate standing.

481 PRACTICE WITH FAMILY VIOLENCE**3 sem. hrs.**

Examines violence within families, including spouse/partner, child, and elder abuse, types of violence, explanatory theories, prevention, intervention, and treatment issues. Prerequisites: Satisfaction of all MSW foundation requirements; and graduate standing.

482 SUPERVISION**3 sem. hrs.**

Theories, models, and techniques of supervision for promoting effective, agency-based practice. Prerequisites: Satisfaction of all MSW foundation requirements; and graduate standing. Formerly SWK 426.

484 INTERNATIONAL SOCIAL WORK**2 sem. hrs.**

Comparative study of social welfare institutions, social service delivery systems, and social work practice methods across various nations. Prerequisite: Graduate standing.

486 PRACTICE WITH SUBSTANCE ABUSE**3 sem. hrs.**

Substance abuse research and policy, and the implications and options for prevention and treatment. Etiology, assessment, social consequences, and intervention. Prerequisites: Graduate standing.

487 PRACTICE WITH HIV/AIDS
2 sem. hrs.

An overview of the HIV/AIDS crisis and its implications for practice. Prerequisites: Graduate standing.

**490 CONCENTRATION
PRACTICUM SEMINAR**
2 sem. hrs.

Integrates advanced coursework with advanced practice in an approved agency. Prerequisite: Completion of all MSW foundation and concentration requirements except SWK 448 and 498.02, which must be taken concurrently.

491 ADVANCED PRACTICUM SEMINAR I
1 sem. hr.

Integrates advanced coursework with advanced practice in an approved agency. Prerequisites: Satisfaction of all M.S.W. foundation requirements; graduate standing; concurrent registration in SWK 445 and 498.03. Formerly SWK 490.03.

492 ADVANCED PRACTICUM SEMINAR II
1 sem. hr.

Integrates advanced coursework with advanced practice in an approved agency. Prerequisites: Satisfaction of all M.S.W. foundation requirements; graduate standing; concurrent registration in SWK 498.04 and 448; completion of all advanced requirements except those taken concurrently. Formerly SWK 490.04.

498 PROFESSIONAL PRACTICE
1-11 sem. hrs.

Supervised practice experience in approved agencies for foundation and advanced practice. Prerequisite: Consent of program director. Refer to General Courses. *Note:* SWK 498.01, 498.02, 498.03, and 498.04 offered on credit/no credit basis only; no more than 4 hrs. of 498.01, 7 hrs. of 498.02, or 6 hrs. of 498.03 and 498.04 combined may count toward degree program.

SOCIOLOGY AND ANTHROPOLOGY (SOA)

332 Schroeder Hall, (309) 438-8668
www.soa.ilstu.edu

Chairperson: Fred H. Smith, Office: Schroeder Hall 332.

Graduate Program Director: Marion Willetts, Office: Schroeder Hall 358; James Skibo, Office: Schroeder Hall 341.

Graduate Faculty: N. Adachi, W. Avogo, F. Beck, G. Bessa, D. Bjorklund, J. Brehm, D. Brown, T. Burr, T. Gerschick, V. Gill, D. Heldman, W. Leonard, N. Maroules, K. McKinney, A. Pitluck, K. Sampeck, M. Schmeeckle, E. Scott, J. Skibo, F. Smith, M. Ostendorf Smith, S. Sprecher, J. Stanlaw, R. Stivers, R. Sullivan, M. Toro-Morn, M. Willetts, A. Wortham.

University Regulations

In addition to the requirements of the individual graduate program, all students are subject to university regulations detailed in the front of the Graduate Catalog. Below is a summary of the most commonly referenced regulations. To locate full details of each regulation, use the index at the end of the catalog.

Academic Good Standing: A 3.00 minimum cumulative graduate GPA is required for graduation and for all courses and activities that require good academic standing.

Course Numbering System, Course Offerings: Some 300- and 400-level courses will not count toward graduate degrees. Any 300-level courses not listed in the Graduate Catalog are undergraduate credit only and are not available for graduate credit. Courses numbered 399 and 429 may be taken for graduate credit but do not count toward a graduate degree.

Use of credit hours from the course group 393, 397, 400, 493, 498 toward a degree is limited. No more than 9 hours total from this group count toward the degree. No more than 6 of the 9 hours may come from 400. Review degree requirements and count previous hours taken from this group before enrolling, since once the limit is reached, no more hours from this group will apply toward the degree.

Use of thesis/dissertation hours toward a degree is limited.

Student-at-Large: Courses taken as a student-at-large do not count toward the degree unless recommended by the degree program. Limit of 12 hours.

Transfer of Credit: Transfer courses must meet university qualifications and be approved by the program and Graduate School. No transfer of the following: courses with grade lower than B, independent study, courses from non-accredited universities, courses used toward another degree, courses over six years old when student first registered for the ISU degree program. No transfer credit is counted toward 400-level hours requirement. Request for Transfer of Credit form is posted at www.grad.ilstu.edu/plans.

Time Limitations: Degree completion is subject to university time limitations. Students who do not meet the time limit may be required to retake courses.

Readmission of Former Students: A lapse in registration of one calendar year or more requires application for readmission to the university.

Continuous Registration: Thesis and dissertation students must maintain continuous registration. Students generally enroll in 499 Master's Thesis or 599 Doctoral Dissertation. Under certain circumstances 499.01, 499.90, 599.01, or 599.90 may be appropriate.

Master's Degree in Sociology

The department offers work leading to the M.A. and M.S. degrees in Sociology. The 38-hour minimum of graduate work must include Sociology 440, 466, 471, 472, 493.01, and at least nine additional hours of Sociology courses at the 400 level, excluding SOC 473, 498, Independent Study, Readings, and the four hours of SOC 499 to facilitate completion of a required master's thesis project. The remaining 12 hours may be taken at the 300 or 400 level and may include up to six hours in related non-sociology courses and up to six hours of Independent Study or Readings with consent of the graduate coordinator. Entering students should have a minimum of nine semester hours in Sociology including Sociology 270, 271, and 275 or demonstrate equivalent competency. Enrollment for such undergraduate courses may be used to remove deficiencies but hours do not count toward the 38-hour minimum for the graduate degree.

Admission Requirements

To be considered for admission to the Master's program, a student must have at least a 3.0 grade point average (on a scale in which A equals 4) for the last 60 hours of under-

graduate work and submit scores from the general test of the Graduate Record Examination (GRE). A personal statement of purpose, a writing sample, one-page resume, and at least three letters of recommendation must be submitted directly to the Department.

Applied Community and Economic Development Sequence

This is an interdisciplinary sequence offered jointly with the Department of Politics and Government and the Department of Economics, designed to combine academic course work with paid internship/professional practice experience in community and economic development work. To qualify for this sequence, students must be returned Peace Corps Volunteers, have equivalent domestic or international experience with other agencies, or be headed to the Peace Corps, and be approved by the Sociology Graduate Program Coordinator. In addition to meeting the other requirements for the master's degree in Sociology, including five required graduate courses -- SOC 440 (3 hrs.), 466 (3 hrs.), 471 (3 hrs.), 472 (3 hrs.) or 473 (3 hrs.), and 493.01 (1 hr.) -- students must complete the courses in the ACED core, including ECO 490.04 (2 hrs.), POL/SOC 470 (3 hrs.), POL/SOC 477 (3 hrs.), and ECO/POL/SOC 478 (2 hrs.) GEO 370 (3 hrs.) is an elective. An 11-month paid internship (earning Professional Practice credit hours) allows students to serve in diverse communities and organizations enhancing local development. The degree requires completion of a master's thesis, with guidance from Sociology faculty, and a total of 38 credit hours, four of which can be Thesis credits (SOC 499).

Graduate Certificate in Social Aspects of Aging

The Graduate Certificate in Social Aspects of Aging is a multidisciplinary program designed to offer a limited number of academically and professionally oriented graduate experiences in aging. The graduate certificate is located within the Department of Sociology and Anthropology in cooperation with the Departments of Family and Consumer Sciences, Psychology, Health Sciences, the School of Social Work, and Speech Pathology and Audiology.

Admission Requirements

Students who seek the certificate in conjunction with a degree in an academic department or school must meet admission requirements for that unit. Students who seek a certificate only must meet university graduate admission requirements and be admitted to the Graduate School. Students must maintain a 3.0 grade point average in certificate courses to be awarded the certificate.

Certificate Requirements

Twelve (12) hours are required, which include the following: Seminar in Gerontology (SOC 411, 3 hrs.), to be taken after at least 6 hours of the other elective courses have been completed; and 9 hours of electives from among the gerontology related courses listed below.

Elective Courses (9 hours): HSC/FCS 394, Health Aspects of Aging; PSY 303, Adult Development and Aging, OR PSY 304, Gerontological Psychology; COM 331, Human Communication and the Aging Process; FCS 305, Families in Later Life; SOC 310 Medical Sociology.

Experience in Gerontology: Each student enrolled in the Graduate Certificate in Social Aspects of Aging may negotiate with the certificate advisor in SOA or the cooperating department for 3 hours of "experience" credit in gerontology. This may include, but is not limited to, 400 Independent Study or 498 Professional Practice in any department/program that is relevant to the Social Aspects of Aging. Each "experience" is expected to involve some focused writing and analysis assignments. This experience should ordinarily be permitted after other courses are completed, including SOC 411 (Seminar in Gerontology). If the experience is of a "selected problems" type, a proposal should be approved by the Graduate Certificate in Social Aspects of Aging advisor no later than the fifth week of the semester.

Master's Degree in Archaeology

The M.A., M.S. in Archaeology is a flexible 33-hour program culminating in a master's thesis. All students take a common core of four courses (ANT 386, 460, 481, and 488) in addition to 6 hours of Master's Thesis (ANT 499). In consultation with the graduate advisor and committee chair, each student chooses a concentration in prehistoric, historical, or biological archaeology electives, and a thesis topic based on his or her individual interests.

Concentrations

Students must declare a concentration and take one of the following required courses: Prehistoric Archaeology (ANT 301), Historical Archaeology (ANT 388), Human Osteology (ANT 371), or Human Paleopathology and Skeletal Analysis (ANT 372). In consultation with and approval of the advisor, students will create an individualized curriculum and complete a minimum of 9 hours of coursework at the 300 or 400 level in anthropology or approved courses in related disciplines.

Admission Requirements

Admission to the program will require students to have completed a bachelor's degree in anthropology, history, geography, or a related field. Students with undergraduate degrees in related fields may apply for admission to the program, and, working with an advisor, they can devise a plan of study that allows them to overcome their educational deficiencies. Applicants must also have at least a 3.0 GPA (on a scale which A equals 4.0) for the last 60 hours of undergraduate work and submit scores from the General Test of the Graduate Record Examination. A personal statement of purpose and two letters of recommendation must be submitted separately to the Coordinator, Master's Program in Archaeology, Department of Sociology and Anthropology. Applications and supporting materials must be received by March 1. Admission to the program is allowed in the fall semester only.

Courses in Sociology

310 MEDICAL SOCIOLOGY

3 sem. hrs.

Social distribution and social construction of illness; physician socialization; doctor-patient interaction; alternative medicine; structure of health care systems; biomedical ethics. Prerequisite: 75 hrs. or consent of instructor; SOC 106 recommended. Formerly SOC 210.

311 ISSUES IN GERONTOLOGY**3 sem. hrs.**

Advanced treatment of selected subjects in gerontology. Prerequisite: SOC 211, or consent of instructor.

317 SOCIOLOGY OF SPORT**3 sem. hrs.**

The social institution of sport is examined using the sociological concepts of social organization, culture, socialization, deviance, social stratification, minority groups, and collective behavior. Prerequisite: 75 hrs. or consent of instructor. Also offered as KNR 317.

320 GLOBAL DEVELOPMENT AND ECONOMIC CHANGE**3 sem. hrs.**

Survey of debates and theories regarding definitions, means, and consequences of "development" within poor- and middle-income countries; country case studies. Prerequisite: 75 hrs. or consent of instructor; SOC 106 recommended.

330 SOCIETY AND ENVIRONMENT**3 sem. hrs.**

Examination of interactions between the social and physical environment and how social structures and individual actions impact the "natural world." Prerequisite: SOC 106 or 108 recommended; 75 hrs. or consent of instructor.

331 SELF AND SOCIETY**3 sem. hrs.**

Analysis of the micro-level relationships between the individual and society. Topics include social interaction, the self, identity, and emotion management. Prerequisites: 75 hrs. or consent of instructor; SOC 106 recommended. Not for credit if had SOC 332. Formerly SOC 332.

333 POLITICAL SOCIOLOGY: POWER, CULTURE AND CHANGE**3 sem. hrs.**

Critical analysis of institutional mechanisms and social processes through which political power is constructed, distributed, and maintained. Prerequisite: SOC 106 or 108; 75 credit hrs. or consent of instructor.

341 THE SOCIOLOGY OF GENDER**3 sem. hrs.**

Explores the concepts, theories, and methods sociologists utilize to explain differences in the social relations between and among women and men. Individual, interactional, institutional and social change processes are examined. Prerequisites: 75 hours or consent of instructor required; SOC 106 or PSY 111 recommended.

342 SOCIOLOGY OF THE BODY**3 sem. hrs.**

Explores the concepts, theories, and methods sociologists utilize to study the body in social life. Special emphasis on non-normative bodies. Prerequisites: SOC 106; 75 hrs. or consent of instructor.

361 URBAN SOCIOLOGY**3 sem. hrs.**

Urban structure and dynamics, stressing human ecological theories, power, and cultural forces affecting architecture and social interaction. Prerequisite: SOC 106 or consent of instructor; 75 hrs. or consent of instructor.

362 POPULATION**3 sem. hrs.**

Dynamics of population size and change, including fertility, mortality, migration, composition, spatial distribution, family, and relation to resources in the United States and the world; application and policy implications. Prerequisites: 75 hours or consent of instructor required; SOC 106 recommended. Formerly SOC 267.

365 JUVENILE DELINQUENCY**3 sem. hrs.**

Delinquency as a social and legal problem; theories of delinquency, the juvenile court; prevention and treatment. Prerequisite: 75 hrs. or consent of instructor.

366 CONTEMPORARY SOCIAL MOVEMENTS**3 sem. hrs.**

Theories, methods, and research on social movements in the U.S. and on transnational social movements, including women's movement. Prerequisite: 75 hrs. or consent of instructor; SOC 106 recommended.

367 CRIMINOLOGY**3 sem. hrs.**

Criminological theory and practice. Crime as a social and legal problem. The administration of justice. Prerequisite: 75 hrs. or consent of instructor.

375 ECONOMIC SOCIOLOGY**3 sem. hrs.**

Study of historical and contemporary economic behavior, institutions, and processes. Examination of production, distribution, consumption, markets, technology, and globalization. Prerequisite: 75 hrs. or consent of instructor; SOC 106 recommended.

400 INDEPENDENT STUDY**1-6 sem. hrs.**

Refer to Index for General Courses.

411 SEMINAR IN GERONTOLOGY**3 sem. hrs.**

Advanced treatment of gerontological topic or issue explored by integrating classroom learning with intergenerational service-learning experiences. Prerequisite: 6 hrs. of other electives with focus on aging or consent of instructor. May be repeated.

431 ADVANCED SOCIAL PSYCHOLOGY**3 sem. hrs.**

Intensive study of a major sub-area of social psychology. Socialization, social role theory, self theory, collective behavior, attitude formation and measurement. Prerequisite: Graduate standing and consent of instructor.

440 INTERMEDIATE SOCIAL STATISTICS**3 sem. hrs.**

Applied course in social statistics, emphasizing the use and interpretation of bivariate and multivariate statistical techniques, such as cross tabulations, multiple regression, and related techniques. Prerequisite: SOC 471.

461 READINGS IN SOCIOLOGY**1-3 sem. hrs.**

A course for the graduate student who would benefit from a specialized independent type of study adapted to the student's background and needs. To be taken by permission of the graduate coordinator and the instructor involved.

465 SOCIOLOGY OF FORMAL ORGANIZATIONS**3 sem. hrs.**

Analysis of classical organizational models including: Weberian, Classical Management, Human Relations, Decision Making, and Political Process. Focus on environmental, contextual, structural, process, and performance dimensions of organizations. May be repeated. Also offered as CJS 465.

466 SOCIOLOGICAL THEORY**3 sem. hrs.**

An analysis of recent theoretical developments in Sociology. Attention will focus on a variety of social theories found useful in explaining social phenomena. Prerequisite: Graduate standing and consent of instructor.

467 SOCIOLOGY OF LAW**3 sem. hrs.**

Sociological theories of law, and research on law in society. Attention to judicial and jury decision-making, legal structures, legislation, power, beliefs, conflict, and social change. Public, civil, and criminal law included. Crosslisted with CJS.

469 SEMINAR IN SOCIOLOGY**3 sem. hrs.**

May be taken up to three times if topic different. Advanced graduate study in sociological topics: .01 Deviance/ Criminology; .03 Minorities/Stratification; .04 Social Institutions; .06 Modern Morality; .07 Language and the Mass Media; .10 Personal Relationships/Family; .13 Sociology of Culture; .14 Class, Power, and Status; .15 Intellectual and Institutional History; .16 Teaching Sociology; .17 Production of Culture. Prerequisite: Graduate standing and consent of instructor.

470 SEMINAR IN COMMUNITY DEVELOPMENT**3 sem. hrs.**

The seminar will review the theoretical and applied literature on community development, investigating strategies in both domestic and international contexts. Also offered as POL 470.

471 QUANTITATIVE RESEARCH DESIGN AND ANALYSIS**3 sem. hrs.**

An in-depth exploration of quantitative methods, both data collection techniques and computer analysis. Design of quantitative research involving theoretical and methodological aspects of sociological problems. Prerequisites: SOC 275 and 271, or equivalent.

472 QUALITATIVE RESEARCH DESIGN AND ANALYSIS**3 sem. hrs.**

An in-depth exploration of qualitative methods, both data collection techniques and data analysis. Design of qualitative research involving theoretical and methodological aspects of sociological problems. Prerequisite: Consent of instructor.

473 ADVANCED QUALITATIVE RESEARCH METHODS**3 sem. hrs.**

Design and implementation of a qualitative field research study, including obtaining observational and interview data, and analysis and report writing of qualitative data. Prerequisite: Consent of instructor.

477 COMMUNITY PROJECT DESIGN AND MANAGEMENT**3 sem. hrs.**

Design, planning, and implementation skills for leadership of community development projects. Focus on applied research, group process, budget management, and grant writing. Prerequisite: Graduate standing in POL, ECO, or SOA, or consent of instructor. Also offered as POL 477.

478 TOPICS IN ADMINISTRATION AND PLANNING**2 sem. hrs.**

Emphasizes skills needed for community and economic development domestically and internationally, including strategic planning, non-profit administration, and feasibility studies. Prerequisite: Graduate standing in ECO, POL, or SOA, or consent of instructor. Also offered as ECO/POL 478.

491 INTERNSHIP IN COLLEGE TEACHING**3 sem. hrs.**

Observation and teaching in the student's major area with other experiences appropriate to academic involvement at the college level. Offered in cooperation with the student's major department. Prerequisite: Graduate standing. Credit for the course is given in C&I (see C&I 491).

495 SPECIAL TOPICS IN SOCIOLOGY**3 sem. hrs.**

Advanced study in a specialized area of sociology. Prerequisites: Graduate status and consent of instructor. May be repeated if content different.

498 PROFESSIONAL PRACTICE IN SOCIOLOGY**1-6 sem. hrs.**

Supervised professional experience relating to the student's educational plan approved by the Sociology Graduate Committee and supervising faculty. Refer to Index for General Courses. Prerequisite: Completion of 18 hours in the Sociology master's program.

499 MASTER'S THESIS**1-6 sem. hrs.**

See Index for General Courses.

Courses in Anthropology**301 ARCHAEOLOGICAL ANALYSIS****3 sem. hrs.**

Advanced course that uses a combination of lectures and laboratory sessions to explore methods used in analysis of archaeological materials. Prerequisite: ANT 100; ANT 274 rec.

342 SOCIOLINGUISTICS**3 sem. hrs.**

Social significance of language variation: regional, social, ethnic dialects; attitudes towards variation. Multilingual societies, language choice, language shift, language planning. Also offered as ENG 342.

370 ZOOARCHAEOLOGY**3 sem. hrs.**

Foundations of zooarchaeology including identification techniques, analytical methods, and interpretation of animal bone assemblages from archaeological sites. Prerequisites: ANT 100 and 274; 75 hrs.

371 HUMAN OSTEOLOGY**4 sem. hrs.**

Biology and anatomy of the human skeleton. Focus on identification and interpretation in forensic and bioarchaeological contexts. Prerequisite: ANT 100, 101, introductory biological science, or consent of instructor.

372 HUMAN PALEOPATHOLOGY AND SKELETAL ANALYSIS**3 sem. hrs.**

Analysis of pathologies, physical traits, and measurements on human skeletons to reconstruct community health and life ways of extinct cultures. Prerequisites: ANT 100 or 101, and ANT 371; or consent of instructor.

373 ARCHAEOLOGY OF POLITICAL ECONOMY**3 sem. hrs.**

Examination of historical and archaeological methods for reconstructing past political economies. Emphasis on past Latin American political and economic organization. Prerequisite: ANT 100 or 274 or consent of instructor.

374 INTRODUCTION TO MUSEUM STUDIES**3 sem. hrs.**

Examination of the history, organization, and administration of museums as well as methods of acquisition, preservation, and exhibition of artifacts. Prerequisite: 75 hrs. or consent of instructor.

375 LANDSCAPE ARCHAEOLOGY**3 sem. hrs.**

Archaeological study of regions, including settlement patterns, natural and cultural environments, and ways humans are shaped by places they inhabit. Prerequisite: ANT 274 or consent of instructor.

376 THE ARCHAEOLOGY OF GENDER**3 sem. hrs.**

Exploration of various archaeological approaches to the interpretation of gender in past societies. Prerequisites: ANT 100 and 274.

380 KEY CONCEPTS IN ANTHROPOLOGY**3 sem. hrs.**

Anthropological thought from historical, systematic, and applied viewpoints; emphasis on changing content, concepts, methods of the discipline. Prerequisites: ANT 274, 277, 281, 286 and 75 hrs. or consent of instructor.

381 ARCHAEOLOGICAL FIELD SCHOOL**1-9 sem. hrs.**

Field instruction in methods and techniques of archaeological survey, excavation, preparation and preservation of materials, and record keeping. Prerequisites: 75 hrs. or consent of instructor; ANT 274 recommended. Materials charge optional.

383 STUDIES IN SELECTED CULTURES**3 sem. hrs.**

Culture patterns of selected areas. Physical characteristics, history, social, political, intellectual life, cultural change of aboriginal people. Prerequisite: ANT 100 and 75 hrs. or consent of instructor.

386 ARCHAEOLOGICAL THEORY**3 sem. hrs.**

Archaeological method and theory from 1800 to the present, emphasizing American archaeology. Prerequisites: ANT 274.

387 ADVANCED TOPICS IN PHYSICAL ANTHROPOLOGY**3 sem. hrs.**

Intensive examination and analysis of current research questions and controversies in paleoanthropology, primatology and human adaptation studies. Prerequisites: 24 hours in ANT including 286, 288, and 290 or consent of instructor.

388 HISTORICAL ARCHAEOLOGY**3 sem. hrs.**

Research methods of historical archaeology reviewed, and the principles that underlie the methods examined critically. Prerequisite: ANT 274 and 75 hrs. or consent of instructor.

392 ARCHAEOLOGICAL MATERIAL CULTURE**3 sem. hrs.**

Examination of the identification, meaning, and interpretation of the material culture excavated and studied by archaeologists. Prerequisite: ANT 274 or equivalent.

400 INDEPENDENT STUDY**1-4 sem. hrs.**

Refer to Index for General Courses.

460 RESEARCH DESIGN IN ARCHAEOLOGY**3 sem. hrs.**

Fundamental theoretical and methodological aspects of designing research in archaeology. Analysis and interpretation of historical and archaeological data. Prerequisite: Graduate standing.

469 SEMINAR IN HISTORICAL ARCHAEOLOGY**3 sem. hrs.**

Intensive examination of current theoretical and methodological issues in historical archaeology. Prerequisite: ANT 388; graduate standing.

481 ADVANCED ARCHAEOLOGICAL FIELD SCHOOL**3-6 sem. hrs.**

Advanced instruction in field methods and techniques that focus on excavation and surveying strategies, the development of scientifically sound research designs, field supervision, and the logistics of field project supervision. Prerequisite: ANT 381; graduate standing.

488 ARCHAEOLOGICAL ETHICS AND LAW**3 sem. hrs.**

Intensive examination of current ethical issues involving the practice of archaeology and the nature and meaning of current laws regarding the excavation and study of archaeological sites and properties. Prerequisites: ANT 386; graduate standing.

498 PROFESSIONAL PRACTICE IN ARCHAEOLOGY**1-6 sem. hrs.**

Supervised professional experience relating to the student's educational plan approved by the Archaeology Graduate Committee. Refer to Index for General Courses. Prerequisite: Completion of 12 hrs. in the Archaeology master's program.

499 MASTER'S THESIS**1-6 sem. hrs.**

Refer to Index for General Courses.

WOMEN'S AND GENDER STUDIES (WGS)

231 Rachel Cooper, (309) 438-2947
www.womensandgenderstudies.ilstu.edu

Director: Alison Bailey. Office: Rachel Cooper 233.
Assistant Director, Academic Advisor, and Graduate Certificate Coordinator: Becca Chase. Office: Rachel Cooper 232.

Graduate Certificate in Women's and Gender Studies

The graduate certificate in Women's and Gender Studies is an option for students whose interest in women and gender issues leads them toward particular courses and thesis topics in their department/school and to seek further work in interdisciplinary feminist theory and methods. This graduate certificate requires a 12-hour course of study. Students must complete either WGS 490 or ENG 460 and WGS 400 plus six hours selected from among the following courses: ANT 376; CJS 339; ENG 360, 460; FCS 305, 327, 333, 412; HIS 330; MUS 356.02; POL 337, 338; PSY 305; SOC 311, 341, 366, 469.03, 469.11; WGS 391, 498. With the approval of the graduate certificate coordinator and the Graduate School, additional courses may be approved for the certificate. Non-degree-seeking graduate students desiring to apply for the Graduate Certificate in Women's and Gender Studies are advised to contact the certificate coordinator. Degree-seeking graduate students should consult their graduate program coordinator/advisor as well as the Women's and Gender Studies graduate certificate coordinator.

Admission Requirements

Students who seek the certificate in conjunction with a graduate degree program must meet admission requirements for that

degree and also be admitted for the certificate. Non-degree graduate students must meet the university graduate admission requirements and be admitted for the certificate. Admission for all certificate students is made upon the recommendation of the Women's and Gender Studies certificate coordinator.

Courses

391 WOMEN'S AND GENDER STUDIES SEMINAR 1-3 sem. hrs.

A critical examination of selected topics in women's and gender studies. May be repeated if topic different.

400 INDEPENDENT RESEARCH IN WOMEN'S AND GENDER STUDIES 3 sem. hrs.

Research paper or supervised readings on topic relevant to Women's and Gender Studies. Proposal signed by a faculty advisor and the Director or Assistant Director of Women's and Gender Studies required prior to registration. Refer to Index for General Courses. May be repeated for credit if topic different.

490 FEMINIST THEORIES AND METHODOLOGICAL ISSUES 3 sem. hrs.

An interdisciplinary study of methods, theories, analyses and critiques used by feminist scholars to study gender issues within and across a range of traditional disciplines.

498 PROFESSIONAL PRACTICE: INTERNSHIP IN WOMEN'S AND GENDER STUDIES 3 sem. hrs.

Supervised work experience in local, state, national, or international businesses, agencies, institutions, or organizations, including teaching internships, focusing on women's and gender issues. Prerequisites: WGS 490 and consent of Director of Women's and Gender Studies.

COLLEGE OF BUSINESS

Interim Dean: Charles McGuire

401 College of Business Building
www.IllinoisState.edu/business

Our mission is to be a highly respected college of business that develops professionals with the personal dedication, ethics, and lifelong learning capabilities needed to succeed professionally and to serve society. We work as a diverse community promoting excellence in learning, teaching, scholarship, and service.

The College of Business contains the departments of Accounting; Finance, Insurance and Law; Management and Quantitative Methods; and Marketing. The primary objective of the College's graduate programs is to prepare students for professional careers in these and related functional areas for business, education, government, and other not-for-profit organizations. The College supports the principle that education for these careers requires the assimilation of a basic common body of knowledge, opportunities for acquiring depth in appropriate fields, and development of essential skills such as leadership, communication, and critical thinking. The College offers graduate programs leading to the Master of Business Administration, the Master of Professional Accountancy, and the Master of Science in Accountancy. The College of Business faculty are involved in research, public service, and faculty professional development and maintain relationships with business, industrial, and service organizations. All graduate and eligible undergraduate programs in the College of Business are accredited by AACSB International - The Association to Advance Collegiate Schools of Business, including separate accreditation for the Accounting programs.

Master of Business Administration

201 College of Business Building, (309) 438-8388
www.mba.ilstu.edu

Associate Dean for MBA and Undergraduate Programs:
 S. J. Chang. Office: 201 College of Business Building.

University Regulations

In addition to the requirements of the individual graduate program, all students are subject to University regulations detailed in the front of the Graduate Catalog. Below is a summary of the most commonly referenced regulations. To locate full details of each regulation, use the index at the end of the catalog.

Academic Good Standing: A 3.00 minimum cumulative graduate GPA is required for graduation and for all courses and activities that require good academic standing.

Course Numbering System, Course Offerings: Some 300- and 400-level courses will not count toward graduate degrees. Any 300-level courses not listed in the Graduate Catalog are undergraduate credit only, are not available for

graduate credit. Courses numbered 399 and 429 may be taken for graduate credit but do not count toward a graduate degree.

Use of credit hours from the course group 393, 397, 400, 493, 498 toward a degree is limited. No more than 9 hours total from this group count toward the degree. No more than 6 of the 9 hours may come from 400. Review degree requirements and count previous hours taken from this group before enrolling, since once the limit is reached, no more hours from this group will apply toward the degree.

Use of thesis/dissertation hours toward a degree is limited.

Student-at-Large: Courses taken as a student-at-large do not count toward the degree unless recommended by the degree program. Limit of 12 hours.

Transfer of Credit: Transfer courses must meet university qualifications and be approved by the program and Graduate School. No transfer of the following: courses with grade lower than B, independent study, courses from non-accredited universities, courses used toward another degree, courses over six years old when student first registered for the ISU degree program. No transfer of credit is counted toward 400-level hours requirement. Request for Transfer of Credit form is posted at www.grad.ilstu.edu/plans/.

Time Limitations: Degree completion is subject to university time limitations. Students who do not meet the time limit may be required to retake courses.

Readmission of Former Students: A lapse in registration of one calendar year or more requires application for readmission to the university.

Continuous Registration: Thesis and dissertation students must maintain continuous registration. Students generally enroll in 499 Master's Thesis or 599 Doctoral Dissertation. Under certain circumstances 499.01, 499.90, 599.01, or 599.90 may be appropriate.

The Master of Business Administration (MBA) degree is a collegiate degree with courses offered in the departments of Accounting; Finance, Insurance and Law; Management and Quantitative Methods; and Marketing. The goal of the Illinois State MBA program is to prepare students for successful careers in positions of leadership in business and other organizations competing in domestic and international markets. The integrative curriculum is designed to provide a thorough understanding of the functional areas of business, to ensure that students develop an analytical framework for evaluation and decision making, to encourage them to apply that framework with a sense of integrity, and to strengthen interpersonal, leadership, and communication skills. The program strives to imbue graduates with an appreciation of the continuing challenges of globalization, of the legal and sociopolitical environments, and of expanding technology. The Illinois State MBA prepares graduates to manage these future challenges and opportunities successfully.

Admission to the MBA Program

All University and Graduate School requirements for admission to a degree program apply, but the requirements for admission to the Master of Business Administration program are more rigorous than are those for the Graduate School. To be considered for

admission, students must have earned a GPA of 3.0 or higher in the last 60 hours of undergraduate work. In addition to submitting a Graduate School application and official transcripts, all applicants must: 1) complete the MBA application (including short essay section); 2) have two letters of recommendation forwarded to the department; and 3) have an official Graduate Management Admission Test (GMAT) score submitted to the Admissions Office. Previous work experience, international experience, and volunteer/community service experience also will be considered in the admission decision. Applicants whose native language is not English must also submit an official TOEFL score report to the Admissions Office. The target minimum score for admission to the program is 83 (250 on the CBT). Applicants will be evaluated by a review of overall qualifications as reflected in these credentials.

The TOEFL requirement will be waived for international applicants who have resided in the United States for at least one year at the time of admission and who (1) have graduated or will be graduating from an accredited U.S. college or university, or (2) have completed two years of post-baccalaureate coursework at a U.S. college or university. Decisions about whether applicants with permanent resident status may be required to submit a TOEFL score will be made on a case-by-case basis, based on academic and professional background and length of residence in the States.

All of the 400-level courses in the College of Business have restricted enrollments and are not open to students-at-large unless they are graduates of AACSB accredited graduate business programs. Opportunities for students-at-large to take undergraduate business courses are limited, and permission to register must be sought from the undergraduate Advising Center (129 College of Business Building). Such students may be required to furnish official transcripts which show the degree earned and the prerequisites for the courses in which the student is requesting permission to enroll.

The MBA Program admits students on a rolling basis. However, applicants should submit all required materials by no later than July 1 to be considered for fall admission, December 1 for spring admission, and April 1 for summer admission. Students seeking graduate assistantship (GA) appointments for the fall term should have completed an online GA application and have on file in the MBA office completed applications both for admission and for the assistantship by February 1. While new graduate assistantship appointments for the spring semester are rare, preference will be given to online graduate assistant applications received by September 1; no appointments are made during the summer session. Application materials are available online at www.mba.ilstu.edu.

Curriculum Requirements

The MBA degree assumes an undergraduate knowledge base in business and economics which students with undergraduate degrees in business will normally have acquired. Students admitted with non-business undergraduate degrees may have to complete foundation courses before enrolling in the MBA core courses. Specific requirements will be determined by the Associate Dean for MBA and Undergraduate Programs (here after referred to as "Associate Dean"). The responsibility for demonstrating prior academic coverage of the material at the appropriate level rests with the student, and should be completed at least one month prior to the beginning of the first semester of course work.

Proficiency exams are available for the seven foundation courses. There is a fee for each exam. A person may take each proficiency exam only once. In order to be considered for an exam, a person must have taken an academic course in the area of the test. Work experience without academic preparation is not adequate. MBA Program staff will determine who is qualified to take a proficiency exam. Any proficiency exams that will be taken must be completed by the end of the first week of classes of the first semester in which a student enrolls in the MBA Program. Exceptions must be approved by the Associate Dean.

Students with a non-business undergraduate degree should expect to complete some or all of the following foundation courses:

- ECO 401 Survey of Economic Principles
- ACC 401 Survey of Accounting Principles
- MQM 402 Management Fundamentals
- MKT 403 Marketing Concepts
- MQM 406 Quantitative Methods (prerequisite: MAT 104 or equivalent)
- FIL 404 Theory of Managerial Finance (prerequisite: ACC 401 or equivalent)
- FIL 405 Legal Aspects of Business Decisions

In addition to any foundation courses (up to 17 hours) required, some or all of which may be waived based on an individual's previous academic work, all MBA candidates must complete 36 semester hours comprised of core and elective courses. Therefore, a maximum of 53 hours could be required for those with a non-business major or minor in their undergraduate degree. This includes the following nine required core courses (27 semester hours):

- MBA 412 Contemporary Business Perspectives and Leadership Skills (Prerequisites: MQM 402 and MKT 403; must be taken as first core course unless an exception is granted by the Associate Dean.)
- ACC 450 Management Accounting (Prerequisite: ACC 401 or 6 hours of accounting)
- ACC 468 Management Information Systems: Organizational and Technological Issues (Prerequisite: Demonstrated competency in microcomputer tools or consent of department chair.)
- FIL 440 Financial Management (Prerequisites: MQM 406 and FIL 404 or equivalents)
- MKT 430 Advanced Marketing Management (Prerequisites: MKT 403 and MQM 406 or equivalents)
- MQM 427 Operations and Quality Management (Prerequisite: MQM 406 or equivalent)
- MQM 421 Analysis of Organizational Behavior (Prerequisite: MQM 402 or equivalent)
- MQM 485 Advanced Organizational Strategy (Prerequisites: MQM 421, MKT 430, FIL 440, and MQM 427, the latter of which may be taken concurrently with MQM 485)
- MQM 497 Research Methodology (Prerequisite: MQM 406).

Students who have successfully completed 12 or more undergraduate semester hours in a required core area may be eligible to substitute a 400-level elective in that area for the required core course.

In addition to the core courses, each candidate must complete nine (9) semester hours of 400-level graduate business or other pre-approved elective courses. (Graduate

courses at the 300-level may not be taken to fulfill the MBA elective requirements). In consultation with an MBA Advisor, students are able to choose from among a wide offering of elective courses to design a plan of study. The choice should be congruent with each student's goals. Several elective concentrations are available for the student seeking a specific career focus. These include: Financial Management; Human Resource Management; Insurance/Financial Services; Marketing; Management; and Project Management; as well as courses in Agribusiness, and Arts Management. Elective courses taken outside the College of Business require prior approval by the Associate Dean and often involve additional course work to fulfill prerequisites.

Students without relevant full-time work experience are encouraged to consider a professional practice internship as an elective choice; up to 3 hours of professional practice credit (498 in the ACC, FIL, MKT, and MQM departments) may be used in the Plan of Study toward the degree. A thesis may be substituted for up to six hours of elective course work. Please refer to the thesis section elsewhere in this catalog for Graduate School policies on thesis work.

Course Limitations

Master of Business Administration candidates may not include the following in their Plan of Study to meet the 36 semester hours required for the MBA: ECO 401; MKT 403; MQM 402, 406; FIL 404, 405; ACC 401. No more than a total of three (3) credits can be counted from any 400 (Independent Study) and 498 (Internship) courses. Credit will not be given for course numbers below 400 (no 300-level graduate course will be counted in an MBA Plan of Study). All core and elective courses must be completed within six years.

Credit-Hour Limitations for Non-Business Graduate Students

While other graduate programs on campus may require and/or give elective credit for selected MBA courses, non-MBA graduate students will not be permitted to exceed 12 credit hours of MBA course work (excluding foundation courses). Non-business students seeking to enroll in MBA courses will first need to obtain their major advisor's permission to register for classes and then must submit to the MBA Office (201 College of Business Building) a completed "Non-Major Enrollment Request" form. Permission to enroll is dependent upon space availability in the requested course(s) and prior completion of prerequisites. MBA students will have priority in registration.

Courses

Descriptions of courses leading to the MBA degree are found under the Departments of Finance, Insurance and Law; Management and Quantitative Methods; Marketing; Accounting; and MBA (MBA 412).

Repetition of Courses in the MBA Program

A student may register officially for an MBA course (foundation, core or elective) only twice. A student who completes a course or drops a course after census day (10th day of the semester) may officially enroll in the same course only one additional time.

Courses

412 CONTEMPORARY BUSINESS PERSPECTIVES AND LEADERSHIP SKILLS 3 sem. hrs.

Interdisciplinary course designed to provide students with an integrative perspective of contemporary business environments and development of key professional competencies. Prerequisites: MQM 402 and MKT 403. Open to MBA students only.

ACCOUNTING (ACC)

301 College of Business Building, (309) 438-7651
www.acc.ilstu.edu

Interim Chairperson: Gerald McKean. Office: College of Business Building 301.

Graduate Program Director: Linda Leinicke.

Graduate Faculty: C. Craig, T. Craig, W. Crampton, R. Hauck, K. Jones, L. Leinicke, D. Lindberg, D. Love, G. McKean, M. Nelson, J. Ostrosky, D. Patten, J. Rich, T. Schambach, K. Walstrom.

University Regulations

In addition to the requirements of the individual graduate program, all students are subject to University regulations detailed in the front of the Graduate Catalog. Below is a summary of the most commonly referenced regulations. To locate full details of each regulation, use the index at the end of the catalog.

Academic Good Standing: A 3.00 minimum cumulative graduate GPA is required for graduation and for all courses and activities that require good academic standing.

Course Numbering System, Course Offerings: Some 300- and 400-level courses will not count toward graduate degrees. Any 300-level courses not listed in the Graduate Catalog are undergraduate credit only, are not available for graduate credit. Courses numbered 399 and 429 may be taken for graduate credit but do not count toward a graduate degree.

Use of credit hours from the course group 393, 397, 400, 493, 498 toward a degree is limited. No more than 9 hours total from this group count toward the degree. No more than 6 of the 9 hours may come from 400. Review degree requirements and count previous hours taken from this group before enrolling, since once the limit is reached, no more hours from this group will apply toward the degree.

Use of thesis/dissertation hours toward a degree is limited.

Student-at-Large: Courses taken as a student-at-large do not count toward the degree unless recommended by the degree program. Limit of 12 hours.

Transfer of Credit: Transfer courses must meet university qualifications and be approved by the program and Graduate School. No transfer of the following: courses with grade lower than B, independent study, courses from non-accredited universities, courses used toward another degree, courses over six years old when student first registered for the ISU degree program. No transfer of credit is counted toward 400-level hours requirement. Request for Transfer of Credit form is posted at www.grad.ilstu.edu/plans/.

Time Limitations: Degree completion is subject to university time limitations. Students who do not meet the time limit may be required to retake courses.

Readmission of Former Students: A lapse in registration of one calendar year or more requires application for readmission to the university.

Continuous Registration: Thesis and dissertation students must maintain continuous registration. Students generally enroll in 499 Master's Thesis or 599 Doctoral Dissertation. Under certain circumstances 499.01, 499.90, 599.01, or 599.90 may be appropriate.

Mission Statement

The mission of the Department of Accounting is to provide high-quality, student-centered educational programs for students preparing for professional careers in accounting and information systems; to support research and other scholarly activities consistent with these programs; and to perform service activities for the Department, the College of Business, the University, and other organizations consistent with these programs. In addition, our mission includes establishing relationships with outside organizations that support our programs, students, and faculty. Providing introductory and other courses in accounting and information systems to non-major students, as a service to other departments within the College and University, is also fundamental to our mission.

The goals of the Department of Accounting are as follows:

1. Our first priority is to develop student potential through high quality pedagogy and educational experiences.
2. Our second priority is to perform applied, basic, and instructional research that complements our educational programs.
3. Our third priority is to participate in internal and external service activities which complement our educational programs and research activities, and build partnerships with key constituencies.

Master of Science in Accountancy

The primary objective of the Master of Science in Accountancy program is to provide candidates preparing for professional careers in accounting a greater breadth and depth in accounting education than is possible in a baccalaureate or Master of Business Administration program.

The Master of Science in Accountancy degree builds upon the broad framework of the undergraduate degree in accounting. Graduate accounting courses emphasize study of current accounting literature, critical thinking, case studies, accounting theory, and written and oral communication. Class sizes are designed to be small to encourage interaction between the professor and each student.

The Master of Science in Accountancy provides a broad base in accounting theory, current accounting research, and management information systems. Beyond this base the student is allowed to tailor course work in accounting and business to meet his/her educational and professional goals. Under the guidance of the program director, the student may develop a program to prepare for an accounting career in public accounting, industry or government.

Admission Requirements

All University and Graduate School requirements for admission to a degree program of the Graduate School at Illinois

State University will apply. Graduate students who have been admitted to the University will be admitted to the Master of Science in Accountancy degree program based upon their performance on the Graduate Management Admission Test (GMAT), on their previous academic performance, and other evidence of the student's ability to successfully complete the program.

Before entering the program students will normally have had a Bachelor of Science in accounting degree based upon the study of the Financial Accounting Standards Board's pronouncements, the AICPA's Statements on Auditing Standards, the Public Company Accounting Oversight Board's (PCAOB) auditing standards, and the Internal Revenue Code. Otherwise, there may be deficiencies as determined by the department.

International students are required to submit a TOEFL score or an IELTS score with their application for admission. The TOEFL score must be 100 or more (internet-based test), 250 or more (computer-based test), or 600 or more (paper-based test). The IELTS score must be 7.0 or higher.

Curriculum Requirements

All candidates must complete 30 semester hours and a comprehensive examination administered near the end of the final semester of course study.

Required Courses

ACC 430 Financial Accounting Theory.....	3 sem. hrs.
ACC 468 Management Information Systems: Organizational and Technological Issues	3 sem. hrs.
ACC 497 Introduction to Research Methodology in Accounting	3 sem. hrs.
400-Level Accounting Electives chosen from ACC 431, 434, 435, 437, and 439	6 sem. hrs.
Total	15 sem. hrs.

Elective Courses

Accounting: 300- or 400-level courses	3-12 sem. hrs.
BTE, FIL, MQM or MKT: 300- or 400-level courses	3-12 sem. hrs.
Total	15 sem. hrs.

All 300-level courses must be approved in advance by the Department of Accounting graduate director. A minimum of 18 semester hours must be taken at the 400 level and a minimum of 6 semester hours must be taken outside the accounting discipline.

Repetition of Courses in the Master of Science in Accountancy Program

A student can register officially for any undergraduate deficiency or graduate-level course only twice. That is, if a student completes a course, or drops a course after the tenth-day enrollment report, he or she may officially enroll in the same course only one additional time.

Integrated Bachelor of Science (B.S.) Master of Professional Accountancy (M.P.A.)

Degrees offered: B.S. and M.P.A.

The Integrated B.S./M.P.A. Degrees program is primarily oriented toward preparation for professional careers in accounting. Two sequences are offered: (1) Accountancy and

Information Systems, and (2) Professional Accountancy. Both sequences permit graduates to meet minimum education requirements to sit for the Certified Public Accountant (CPA) examination in Illinois. The Accountancy and Information Systems sequence permits students to emphasize study of information systems related to accounting and other business fields more than the Professional Accountancy sequence, which permits students to study further in such areas as taxation, auditing, financial accounting, managerial accounting, financial management, and information systems.

The 150-hour B.S./M.P.A. program generally includes 30 hours of graduate course work. Successful completion of the integrated program will culminate by granting simultaneously both B.S. and M.P.A. degrees. The B.S./M.P.A. integrated program is designed for students wishing to complete both degrees at Illinois State University. The program is not designed to admit students who have already completed a bachelor's degree.

Students must successfully apply for continuance in the B.S./M.P.A. program in their junior year (after 60 semester hours). Graduate admission would take place after the student has completed approximately 90 hours. Students will be admitted who meet graduate entrance requirements, which include satisfactory performance on the Graduate Management Admission Test (GMAT), their previous academic performance, and other evidence of the student's ability to successfully complete the program. Admission timing is very important to successfully complete the program, so students should regularly consult with their Accounting undergraduate or graduate advisor.

Core courses: Students selecting either sequence must complete the following: BUS 100; ACC 131, 132, 230, 231, 232, 233, 235, 260, 261, 263, 270, 430, 482, 497; FIL 185, 240, 375; MKT 230; MQM 100, 220, 227, 385; ECO 105; ENG 145.13; MAT 121 or 145. (Note: MAT 120 is a prerequisite for MAT 121.)

Accountancy and Information Systems Sequence. In addition to core courses, students must complete (a) 9 hours from ACC 368, 468, and 472; (b) 9 hours of Accounting electives, of which 6 hours are chosen from ACC 431, 434, 435, 437, 439, or 498, and 3 additional hours chosen from ACC 330, 334, 336, 337, 340, 431, 434, 435, 437, 439, or 498; and (c) 6 additional hours of Accounting or business electives.

Professional Accountancy Sequence. In addition to core courses, students must complete (a) 15 hours of Accounting electives, of which 6 hours are chosen from ACC 431, 434, 435, 437, 439, or 498, and 9 additional hours chosen from ACC 330, 334, 336, 337, 340, 431, 434, 435, 437, 439; (b) 3 hours from FIL 440, ACC 468, 472, or other approved 400-level elective outside of the accounting discipline; and (c) 6 additional hours chosen from either courses listed in (a) of this paragraph or from ACC 375, 398, 468, 472, or 498.

Note: Students in either sequence who wish to enhance their chances of passing the CPA examination should include in their plan of study the following advanced accounting courses: ACC 330, 334, 336, and 337.

Requirements for CPA Examination: Academic requirements to sit for the CPA examination in Illinois include (1) 150 semester hours of college course work, and (2) a baccalaureate

or higher degree including at least 24 semester hours in accounting at the undergraduate and/or graduate level with at least one course each in financial accounting, auditing, taxation, and management accounting and at least 24 semester hours in business courses (other than accounting) at the undergraduate and/or the graduate level.

Repetition of Courses in the Integrated Bachelor of Science (B.S.) Master of Professional Accountancy (M.P.A.) Program

A student can register officially for any undergraduate or graduate level course only twice. That is, if a student completes a course, or drops a course after the tenth-day enrollment report, he or she may officially enroll in the same course only one additional time.

Courses

The following courses will not count toward the M.S. in Accountancy because they are foundation/deficiency courses: ACC 401 and 450.

330 ACCOUNTING FOR NON-PROFIT ENTITIES 3 sem. hrs.

Examination of accounting and financial reporting principles for nonprofit entities including state and local governmental units, colleges, hospitals, and other nonprofit organizations. Prerequisites: ACC majors only; minimum B/C combination in ACC 230 and 231; C or better in ACC 231.

334 ADVANCED TAX 3 sem. hrs.

Study of concepts and issues associated with corporate, partnership, estate and gift taxation. Overview of tax research techniques also provided. Prerequisites: ACC 233 or consent of department chairperson.

336 ADVANCED AUDITING 3 sem. hrs.

In-depth analysis of selected advanced topics in auditing, including professional auditing standards, planning, evidence, internal control, statistical sampling, EDP auditing, reporting, integrative audit case, operational auditing. Prerequisite: ACC majors only; minimum B/C combination in ACC 230 and 231; ACC 235.

337 ADVANCED FINANCIAL ACCOUNTING 3 sem. hrs.

Specific emphasis on business combinations and consolidated financial statements. Other topics include partnership accounting, international operations, branch accounting, segment reporting and interim statements. Prerequisite: ACC majors only; minimum B/C combination in ACC 230 and 231; ACC 232.

340 INTERNATIONAL ACCOUNTING 3 sem. hrs.

Examines (1) similarities and differences of accounting principles and procedures between the United States and other countries and efforts at standardizing accounting internationally, and (2) accounting for multinational entities, including consolidation of foreign subsidiaries, evaluation of investment projects, and performance evaluation of foreign operations. Prerequisite: ACC 132 with grade of C or better. Business majors only.

362 ADVANCED BUSINESS SYSTEMS ANALYSIS

3 sem. hrs.

The analysis, design, development, and implementation of a complete business information system. Directed project approach with formal presentations at the conclusion of each project phase. Prerequisites: ACC 261; ACC 366 or concurrent registration; and ACC 368.

366 ADVANCED BUSINESS DATA MANAGEMENT

3 sem. hrs.

Advanced study in the development of computer storage techniques required for business information systems. Techniques are developed for both enterprise and desktop applications. Prerequisites: ACC 260 and 261. Not for credit if had ITK 372.

368 DEVELOPING BUSINESS APPLICATION SYSTEMS

3 sem. hrs.

Advanced study in the application and development of modern computer programs for business work-group and individual employee information systems. Students will design and develop a comprehensive application appropriate for a functional area of business using the approaches and tools of the consultant. Prerequisites: ACC 260; ACC 261 or concurrent registration.

370 MANAGEMENT INFORMATION SYSTEMS

3 sem. hrs.

Management information systems with emphasis on the responsibilities of management in the creation, control, and utilization of the information systems that support managerial decision-making. Prerequisites: ACC 261; ACC 366 or concurrent registration; MQM 220; MKT 230; and FIL 240.

375 PROFESSIONAL PROBLEMS

3 sem. hrs.

An intensive study of contemporary accounting problems with a strong orientation toward the preparation for the CPA and CMA examinations. Prerequisites: 24 hours of ACC. ACC 330, 334, 336, 337 or consent of department chairperson. Concurrent enrollment allowed for only two of ACC 330, 334, or 336. Overall GPA of 2.8. Concurrent enrollment in FIL 375 recommended.

401 SURVEY OF ACCOUNTING PRINCIPLES

3 sem. hrs.

This course compresses into a single semester material ordinarily covered in the first two semesters of elementary accounting. Enrollment is limited to graduate students who have had no more than one semester of previous study in accounting. The course cannot be presented for graduate credit by a degree candidate in the ACC or MBA graduate programs.

430 FINANCIAL ACCOUNTING THEORY

3 sem. hrs.

This course is a study of the theoretical and conceptual foundations of financial reporting standards, including an overview of the development of financial accounting and the environment in which it operates. Current accounting practices are analyzed and evaluated in the context of the theoretical framework. Prerequisite: 18 semester hours of accounting including ACC 232.

431 CURRENT ISSUES IN ACCOUNTING

3 sem. hrs.

A variable content course giving consideration to current issues and/or controversies in the theory and practice of accounting. Students will investigate independently and as a group problems of special interest in various aspects of accounting. Prerequisite: 18 semester hours of accounting including ACC 232.

434 FEDERAL TAXES AND MANAGEMENT DECISIONS

3 sem. hrs.

Study of tax issues associated with common business transactions, from a management perspective. Prerequisites: 18 semester hours of accounting or ACC 450 and FIL 440.

435 AUDITING ISSUES AND CASES

3 sem. hrs.

Application of current auditing standards to auditing cases emphasizing decision making under uncertainty and effective communication skills. Consideration is given to ethical issues facing accountants, current auditing theory, application of current accounting standards to auditing cases, international accounting standards, international auditing guidelines and statements, and current issues related to the practice of auditing. Prerequisite: 18 semester hours of accounting including ACC 232 and 235.

437 FINANCIAL STATEMENT ANALYSIS/EQUITY VALUATION

3 sem. hrs.

Development and application of frameworks for studying business analysis and valuation using financial statement data for accounting-related decisions. Prerequisites: 18 semester hours of accounting including ACC 232.

439 MANAGERIAL ACCOUNTING THEORY

3 sem. hrs.

In-depth investigation of theories that underlie current managerial accounting practice. Heavy emphasis on the impact of research on the development of modern cost techniques. Prerequisite: 18 semester hours of accounting including ACC 230, or equivalent.

450 MANAGEMENT ACCOUNTING

3 sem. hrs.

Designed for non-accounting majors. Emphasis on the interpretation and use of accounting data. Prerequisite: ACC 401 or 6 hours of accounting or consent of department chairperson. The course cannot be presented for graduate credit by a degree candidate in the ACC program.

468 MANAGEMENT INFORMATION SYSTEMS: ORGANIZATIONAL AND TECHNOLOGICAL ISSUES

3 sem. hrs.

Analyzes business information systems components (people, procedures, hardware, software) from organizational and technological perspectives. Cases are used to explore the relationships between organizational and technological issues. Prerequisites: Demonstrated competency in microcomputer tools or consent of department chairperson.

472 THE PROFESSIONAL ACCOUNTANT AS A MANAGER OF INFORMATION SYSTEMS

3 sem. hrs.

The objective of this course is to cover the concepts an accountant needs in the role as a manager of information systems. Prerequisites: ACC 261 and 263 or equivalent.

**482 BUSINESS INFORMATION
SYSTEMS CONSULTING**
3 sem. hrs.

Integration of key business information systems concepts necessary for successful business consulting. Issues relating to consulting practices of the professional accountant will be stressed. Significant use of oral and written reports. Prerequisites: ACC 260, 261, and 270, or equivalent.

**497 INTRODUCTION TO RESEARCH
METHODOLOGY IN ACCOUNTING**
3 sem. hrs.

Examines (1) the methods of conducting theoretical research currently in use in accounting, with particular emphasis on empirical research, (2) the methods of conducting practical research in accounting, and (3) reporting the results of research. Prerequisites: 18 sem. hrs. of ACC including ACC 232 and MQM 240 or its equivalent, or consent of department chairperson.

**498 PROFESSIONAL PRACTICE:
INTERNSHIP IN ACCOUNTING**
1-3 sem. hrs.

On-the-job professional accounting or BIS experience with a sponsoring commercial firm or government organization. Prerequisite: Cumulative GPA of 3.0; 21 hours of ACC; consent of internship director.

FINANCE, INSURANCE AND LAW (FIL)

434 College of Business Building, (309) 438-8777
www.cob.ilstu.edu/finance_ins_law

Chairperson: Gary Koppenhaver. Office: College of Business Building 434.

Graduate Faculty: S. Chang, G. Flanigan, T. Howe, H. Kang, G. Koppenhaver, R. MacMinn, C. McGuire, G. Naidu, E. Norton, W. Scott, J. Solberg, J. Trefzger, C. Vamer.

Description and requirements for the Master of Business Administration degree are listed under the College of Business.

Courses

311 GOVERNMENT REGULATION OF BUSINESS
3 sem. hrs.

Analysis of governmental legal and regulatory activity as it applies to business. Prerequisites: FIL 185 (formerly 208) with grade of C or better. BUS majors only.

312 INTERNATIONAL BUSINESS LAW
3 sem. hrs.

Case study in international business law. Jurisdiction and application of foreign law, international regulation of economic activities, and issues of comparative law. Prerequisite: FIL 185 (formerly 208) with grade of C or better. BUS majors only.

340 SHORT-TERM FINANCIAL MANAGEMENT
3 sem. hrs.

Analysis of working capital management; cash budgeting; financial analysis and planning; short-term financing decisions. Prerequisite: FIL 240 with grade of C or better; FIL 241 or concurrent registration. Business majors only.

**343 SECURITY ANALYSIS AND
PORTFOLIO MANAGEMENT**
3 sem. hrs.

Characteristics of financial assets and markets; evaluation of securities; selecting and combining securities into portfolios; portfolio models and measurement of portfolio performance. Prerequisite: FIL 240 or equivalent, 242. Business majors only.

344 INTERNATIONAL FINANCIAL MANAGEMENT
3 sem. hrs.

Financial management of multinational corporations, including balance of payments, foreign exchange markets and international money and capital markets. Prerequisite: FIL 240 with grade of C or better. Business majors only.

**360 REAL ESTATE
INVESTMENT AND FINANCE**
3 sem. hrs.

Decision-making analysis in real estate investment and financing. Emphasis on financial leverage, cash flow analysis, taxation, risk and mortgages. Prerequisite: FIL 260 with grade of C or better.

375 LAW FOR ACCOUNTANTS
3 sem. hrs.

Accountants' legal responsibilities, anti-trust, bankruptcy, federal securities regulation, insurance, regulation of employer and employee relationships, secured transactions, suretyship, and other topics for the professional accountant. Prerequisite: 24 hrs. of ACC; FIL 185 (formerly 208) with a grade of C or better.

**380 SEMINAR IN THE LEGAL ENVIRONMENT
OF BUSINESS**
3 sem. hrs.

Selected topics in law and its relationship to business. Topics may include new developments in public and private law as it relates to business. May be repeated for credit with consent of instructor. Consent of department chair required. May be repeated with consent of department chair.

404 THEORY OF MANAGERIAL FINANCE
2 sem. hrs.

This course compresses into eight weeks materials that ordinarily would require one or two semesters of undergraduate course work in business finance and financial markets. It includes financial theory of the firm including the economic and institutional environment, working capital management, sources and uses of funds, capital structure, and budgeting. Prerequisites: ACC 401 or equivalent; admission to a graduate business program. Cannot be taken for credit in the ACC or MBA graduate programs.

405 LEGAL ASPECTS OF BUSINESS DECISIONS
2 sem. hrs.

Overview of the legal environment of business and the American legal system. Designed for MBA students not receiving their undergraduate degree within the past five years and not having an American legal environment course or equivalent. Prerequisite: Admission to a graduate business program or consent of the department chairperson. Cannot be taken for credit in the ACC or MBA programs. Formerly FIL 410.

411 CORPORATE LAW**3 sem. hrs.**

The law relating to corporations and other business organizations, including formation and management of corporations, corporate finance, securities law and antitrust.

419 SEMINAR IN THE LEGAL ENVIRONMENT OF BUSINESS**1-4 sem hrs.**

Topics may include aspects of domestic and international business law and the social, ethical, political and regulatory influences impacting business organizations. May be repeated if different material is covered. Prerequisite: FIL 405.

440 FINANCIAL MANAGEMENT**3 sem. hrs.**

Analysis of financial problems of business enterprises and the formulation of financial policies. Financing of current operations and long-term capital needs, income management and expansion policies. Includes case studies. Prerequisites: MQM 406, FIL 404 or equivalents.

441 ADVANCED FINANCIAL INSTITUTIONS AND MARKETS**3 sem. hrs.**

A critical study of sources of funds and investment management of these funds; scope and changes in financial markets; recent policy changes and problems in financial management of financial institutions; changes being proposed in regulations affecting structure and functions of the intermediaries and the nature of financial markets. Prerequisite: FIL 440.

442 INVESTMENT MANAGEMENT**3 sem. hrs.**

A strategic and operational study of investments from an analytical perspective including the planning, direction, and evaluation of investment programs. Prerequisite: FIL 440.

445 ADVANCED CORPORATE FINANCE**3 sem. hrs.**

Major issues in corporate finance focusing on applications of finance theories to real business problems. Prerequisite: FIL 440. MBA students only.

449 SEMINAR IN FINANCE**1-4 sem. hrs.**

Topics will vary with needs and interests of students and faculty. May be taken more than once if different material is covered. Offered once per year. Prerequisite: FIL 440.

454 SEMINAR IN INSURANCE**1-4 sem. hrs.**

Topics may include risk management, commercial and individual property and liability insurance, life and health insurance, financial and estate planning and new developments. Prerequisite: FIL 440 or consent of instructor. May be repeated if content different.

499 MASTER'S THESIS**1-6 sem. hrs.**

MANAGEMENT AND QUANTITATIVE METHODS (MQM)

250 College of Business Building**www.cob.ilstu.edu/mqm**

Chairperson: Jim Jawahar. Office: College of Business Building 250B.

Graduate Faculty: E. Balasubramanian, J. Bantham, R. Bull, A. Choudhury, V. Devinatz, M. Downes, M. Dumler, L. Erskine, F. Fazel-Sarjui, D. Fitzgibbons, P. Foreman, J. Goodman, M. Hemmasi, M. Hoelscher, J. Howard, J. Lust, J. Mohammed, K. Newgren, T. Noel, R. Radhakrishnan, R. Ringer, G. Russ, G. Salegna, L. Schjoedt, M. Sheep, I. Varner.

Description and requirements for the Master of Business Administration degree are listed under the College of Business.

Courses**323 HUMAN RESOURCES MANAGEMENT****3 sem. hrs.**

Principles and procedures relating to human resource management, including staffing, appraisal, training, compensation, and other programs for business and other organizations. Prerequisite: MQM 220.

324 INDUSTRIAL RELATIONS MANAGEMENT**3 sem. hrs.**

Managing employment relations and work conditions. Emphasis on negotiating, administering labor agreements, and impact of collective bargaining on managerial practice. Prerequisites: MQM 220.

349 BUSINESS IN A MULTI-CULTURAL ENVIRONMENT**3 sem. hrs.**

Business operations in a multi-cultural environment. Relationship between the business process and social attitudes, values, ideologies, and customs with special emphasis on Asia, Latin America, and the Middle East. Formerly BEA 345.

353 STRATEGIC HUMAN RESOURCE PLANNING AND MANAGEMENT**3 sem. hrs.**

Strategic human resource planning as the base for organizational human resource decisions and programs, and management of personnel development in organizations. Prerequisite: MQM 323.

354 COMPENSATION MANAGEMENT**3 sem. hrs.**

Compensation subsystem as a vital component in establishing a workplace system that stimulates employee performance. Prerequisite: MQM 323.

**356 FOUNDATIONS OF HUMAN
RESOURCE DEVELOPMENT**
3 sem. hrs.

Examines the theoretical foundations of HRD and includes employee orientation, technical training, coaching, career development, management development, and diversity training. Formerly BEA 371.

**357 PROGRAM DESIGN AND
DEVELOPMENT IN HUMAN
RESOURCE DEVELOPMENT**
3 sem. hrs.

Focuses on methods, materials, and technology applied to the design, selection, and implementation of training programs for business and non-profit organizations. Formerly BEA 372.

**384 LEADERSHIP: DECISION
MAKING AND PLANNING**
3 sem. hrs.

A consideration of managerial decision making in organizations. Specific emphasis on strategic, program, and operational level planning decisions, techniques, and systems. Prerequisites: MQM 221 or concurrent registration.

402 MANAGEMENT FUNDAMENTALS
2 sem. hrs.

Principles of management and organizational theories with emphasis on organizational structures, management functions, behavior, and interpersonal communications. This course is for students without previous management course work. Prerequisite: Admission to a graduate business program or consent of the department chairperson. Cannot be presented for credit in the ACC or MBA programs.

406 QUANTITATIVE METHODS
3 sem. hrs.

This course compresses into a single semester materials that ordinarily would require two semesters of undergraduate course work in business statistics and management science areas. It includes concepts and techniques of quantitative (particularly statistical) methods useful for guiding business decisions and evaluating sample data. Prerequisites: MAT 104 or equivalent; admission to a graduate business program. Cannot be presented for credit in the ACC or MBA graduate programs.

420 ORGANIZATION THEORY
3 sem. hrs.

Organization theory and design with emphasis on environmental, technological, power, contextual, and internal variables affecting organizational design and performance. Prerequisite: MQM 402 or equivalent.

**421 ANALYSIS OF ORGANIZATIONAL
BEHAVIOR**
3 sem. hrs.

A study of how people in organizations respond to managerial and organizational practices, using a systems orientation to analyze how environmental factors influence organizational practices and climate. Topics include reactions of people to structure and control, problems of motivation and performance, resolution of inter-departmental conflicts, adaptation to change. Prerequisite: MQM 402 or equivalent.

**423 ADVANCED HUMAN RESOURCES
MANAGEMENT**
3 sem. hrs.

Advanced study of selected contemporary issues in human resources management. Emphasis on critical investigation of current personnel research and practices. Prerequisite: MQM 421.

426 SEMINAR IN MANAGEMENT
3 sem. hrs.

Significant issues related to the management of people as well as management functions or processes. Topics include: behavioral science and management, employee motivation, leadership, organizational communication, interorganizational conflict, organization development, change, planning, objectives, control, values, ethics, social responsibility, and human resource management. May be taken more than once if different material is covered. Offered irregularly. Prerequisite: MQM 421.

**427 OPERATIONS AND QUALITY
MANAGEMENT**
3 sem. hrs.

Course focus is on strategies, concepts, and tools for management of quality and the core function of producing goods and services. Prerequisite: MQM 406 or equivalent.

**485 ADVANCED ORGANIZATIONAL
STRATEGY**
3 sem. hrs.

An integrating course analyzing the firm in its environment with emphasis on formulation of policies and strategies and application of concepts through case studies and/or simulation exercises integrating all functional areas. Prerequisites: MQM 421, MKT 430, FIL 440, and MQM 427 or 415, either of the latter of which may be taken concurrently with MQM 485.

497 RESEARCH METHODOLOGY
3 sem. hrs.

The procedure, techniques, and application of research methods in business. Problem analysis, measurement techniques, experimental design considerations, and report presentation. Analytical methods, including classical hypothesis testing, nonparametric tests, analysis of variance, linear and multiple regression, and multivariate statistics. Prerequisites: MQM 406 with a grade of B or better or proficiency examination in statistics.

**498 PROFESSIONAL PRACTICE:
INTERNSHIP/COOPERATIVE
EDUCATION IN MANAGEMENT
OR QUANTITATIVE METHODS**
1-3 sem. hrs.

Practical experience by employment in a position involved with the management of business activities, including the analysis of business decision situations. Prerequisite: MBA majors with 12 credits or more of core courses; cumulative graduate GPA of 3.2 or higher; MQM 421 or equivalent; and consent of department chairperson.

499 MASTER'S THESIS
1-6 sem. hrs.

MARKETING (MKT)

352 College of Business Building, (309) 438-7261
www.cob.ilstu.edu/marketing

Chairperson: Tim Longfellow. Office: 352 College of Business Building.

Graduate Faculty: J. Attaway, G. Bailey, A. Bakir, J. Beggs, J. Cox, Jr., D. Goebel, S. Goodwin, M. Humphreys, G. Hunter, P. Kaufman, T. Longfellow, H. Melton, L. Showers, R. Singley, S. Taylor, D. Wallace, M. Williams.

Description and requirements for the Master of Business Administration degree are listed under the College of Business.

Please note: The Department of Marketing staffs and offers graduate courses in Marketing (MKT) and in Business Teacher Education (BTE).

Marketing Courses (MKT)

329 PURCHASING POLICIES AND PROCEDURES 3 sem. hrs.

Purchase of materials, supplies, and equipment for industry, government, and other institutions. Organization for purchasing, internal requisitioning, and stock control. Significant case analysis is typical. Prerequisites: MKT 230.

333 INTEGRATED MARKETING COMMUNICATION 3 sem. hrs.

Overview of and experience in integrated marketing communication (IMC) planning process through a client project. In addition to exploring IMC or promotional strategy planning process, students will gain experience in developing an IMC plan based on a thorough market/situation analysis for real clients. Prerequisites: MKT 231, 232, or 233.

334 SALES MANAGEMENT 3 sem. hrs.

Theory, principles, and practices of sales force administration for manufacturing, wholesaling, and service enterprises. Topics include recruiting, training, compensation, and performance appraisal. Computer simulation gaming is typical. Prerequisite: MKT 234.

335 RETAILING MANAGEMENT AND PROMOTION 3 sem. hrs.

Management and operation of retail firms. Emphasis on location analysis, pricing, inventory control, and promotion. Experiential assignments are typical. Prerequisite: MKT 230.

338 STRATEGIC MARKETING MANAGEMENT 3 sem. hrs.

Development, implementation, evaluation, and control of the marketing plan. Short- and long-run perspectives are considered equally important. Includes analysis of actual and hypothetical cases. Computer simulation gaming is typical. Prerequisites: MKT 231, 232.

339 SEMINAR IN MARKETING 3 sem. hrs.

A specialized study of important narrow areas in the field of marketing for advanced students. Prerequisites: MKT 231, 232 or consent of department chairperson. May be repeated once if a different topic and different instructor.

403 MARKETING CONCEPTS 2 sem. hrs.

Incorporates principles of marketing and marketing management, viewing the marketing function from the points of view of the consumer, business, and society. This course is for students without previous marketing course work. Prerequisite: Admission to a graduate business program or consent of the department chairperson. Cannot be presented for credit in the ACC or MBA programs.

430 ADVANCED MARKETING MANAGEMENT 3 sem. hrs.

Marketing principles, behavioral concepts, and quantitative techniques utilized in analyzing marketing problems and decisions. Emphasis on strategic and quantitative aspects of decision-making processes in marketing. A strategic marketing simulation game and/or rigorous case analyses are typical. Prerequisites: MKT 403 and MQM 406 or equivalents.

431 ADVANCED CONSUMER BEHAVIOR 3 sem. hrs.

An analysis of psychological, sociological, social psychological, and cultural forces that influence household and industrial buying behavior. Emphasis placed on examination of research related to these influencing forces, practical applications of research findings, and on the analysis of comprehensive models of consumer behavior. Prerequisite: MKT 430.

432 MARKETING RESEARCH

An examination of the marketing research process. Includes client projects and content-related exercises, especially data analysis using various statistical packages. Prerequisite: MKT 430 or equivalent.

433 ADVANCED INTEGRATED MARKETING COMMUNICATION 3 sem. hrs.

Provides an overview and experience in using the integrated marketing communication (IMC) planning process. Includes market/situation analysis as part of IMC development. Prerequisite: MKT 430 or equivalent.

438 INTERNATIONAL MARKETING 3 sem. hrs.

Examination of strategic issues related to effective development and execution of global marketing programs. Includes case-studies and an applied term project. Prerequisite: MKT 430 or equivalent.

439 SEMINAR IN MARKETING 1-4 sem. hrs.

Topics will vary with needs and interests of students and faculty. Selling/sales management, product management, and services marketing continue to be popular topics. Prerequisite: MKT 430 or equivalent. May be repeated if topic different.

498 PROFESSIONAL PRACTICE:INTERNSHIP/ COOPERATIVE EDUCATION IN MARKETING 1-6 sem. hrs.

Practical experience by employment in a position involving management of significant marketing activities in a firm. Prerequisites: MBA major with 12 credits of core courses completed; MKT 403 and 430; cumulative graduate GPA of 3.2 or higher; consent of department chairperson.

499 MASTERS THESIS 1-6 sem. hrs.

BUSINESS TEACHER EDUCATION (BTE)

Note: Graduate degrees in Business Education are not available, but course work is available as supplemental study or as electives for inservice teachers and graduate students on campus.

General Administrative Endorsement With Emphasis in Vocational Education

A career option leading to a general administrative endorsement with emphasis in vocational education is offered in cooperation with the Department of Educational Administration and Foundations through the Departments of Agriculture, Family and Consumer Sciences, Industrial Technology and Marketing (through the faculty affiliated with the Business Teacher Education programs housed there). Students interested in the vocational emphasis should (a) see department chairperson or appropriate adviser and (b) file an Intent to File for Certification form in the Office of Clinical Experiences and Certification Processes. All students who plan to receive certification for the State of Illinois via an approved Illinois State program must file official forms and follow specific procedures. Certification is not given automatically at the completion of specific course work or a degree program.

Business Teacher Education Courses (BTE)

330 DECISION-MAKING FOR CONSUMERS

3 sem. hrs.

Survey of consumer problems, trends, and information. Topics include: insurance, housing, credit, life-styles, consumer protection, leisure, and achieving financial security. Also offered as FCS 330.

362 BASIC BUSINESS, ACCOUNTING AND MARKETING INSTRUCTION

3 sem. hrs.

Methods of teaching basic business, consumer economics, accounting and marketing. Prerequisites: BTE 260 or concurrent registration; admission to Teacher Education.

363 KEYBOARDING, INFORMATION PROCESSING AND COMPUTER APPLICATIONS

3 sem. hrs.

Instructional strategies in the teaching of personal and vocational keyboarding and computer applications at the junior high and high school levels. Prerequisites: BTE 225 and 260 or concurrent registration; admission to Teacher Education.

364 TEACHING KEYBOARDING, AND INFORMATION PROCESSING IN ELEMENTARY SCHOOLS

1 sem. hrs.

Methods of teaching keyboarding, information processing for elementary students. Prerequisites: BTE 363, or concurrent registration; admission to Teacher Education. Includes clinical experiences 5 hours, Type 1-6, 9.

380 ORGANIZATION AND ADMINISTRATION OF COOPERATIVE VOCATIONAL EDUCATION PROGRAMS

3 sem. hrs.

Planning and organizing a cooperative program; emphasis on recruitment, selection of training stations, student placement, and implementation of cooperative plan. Clinical experiences required 5 hours, Type 1-6, 9. Also offered as FCS 380.

381 DIRECTED OCCUPATIONAL EXPERIENCE FOR VOCATIONAL BUSINESS AND OFFICE, AND MARKETING EDUCATION

3 sem. hrs.

Approved on-the-job work experiences required of business and office, and marketing education vocational teachers. For in-service teachers.

382 COORDINATION TECHNIQUES OF COOPERATIVE VOCATIONAL EDUCATION PROGRAMS

3 sem. hrs.

Coordination techniques needed for high school and post-secondary teacher coordinators in integrating classroom activities with daily employment. Clinical experiences required 5 hours, Type 1-6, 9. Also offered as FCS 382 and TEC 306.

COLLEGE OF EDUCATION

Dean: Deborah Curtis

506 DeGarmo Hall
www.coe.ilstu.edu

The College of Education includes the Departments of Curriculum and Instruction, Special Education, Educational Administration and Foundations, the Office of Clinical Experiences and Certification Processes in the Cecilia J. Lauby Teacher Education Center, and the University Laboratory Schools.

The mission of the College of Education is to provide state and national leadership in teacher and administrator education, educational research, and educational policy.

The preparation and continuing professional development of educators is the core of this mission. The guiding framework for teacher education at Illinois State University, "Realizing the Democratic Ideal," captures the values of education programs by stating that teaching in a democracy is self-consciously to "take up the burden of improving the moral and intellectual quality of our societal dialogue by including in it as many educational voices as possible." A comprehensive offering of degree, certification, and outreach programs operated year round at both undergraduate and graduate levels constitutes the primary mechanism through which the mission is fulfilled.

The College also fulfills its strategic mission of influencing education by providing support systems for faculty engaged in research, evaluation, product development and other creative activities. The research agenda of the College is focused on production, synthesis, and application of knowledge which tests and extends the knowledge base that undergirds educator preparation programs as well as contributes to solutions of contemporary education problems.

The third way the College meets its responsibility to influence education is to interact directly with practitioners in the field in a variety of partnerships in schools and other associations and agencies. In addition, the College is an active participant in discussions related to educational policy development within national, state and local arenas.

The Illinois Board of Higher Education has approved Illinois State University to offer full doctoral programs off-campus in the Quad Cities, Springfield, Joliet/Channahon, and Chicago. For further information contact the department chairs of Educational Administration and Foundations, Curriculum and Instruction, and Special Education.

Clinical Experiences and Certification Processes

56 DeGarmo Hall

Associate Director: Molly Munson-Dryer

Assistant Director: Lynn Steffen

Student Teaching

399 STUDENT TEACHING 1-16 sem. hrs.

Graduate students who wish to do their student teaching must meet all of the relevant requirements as outlined in the University-Wide Teacher Education Requirements section of the Undergraduate Catalog. Contact the CECP office for further explanation of these requirements and procedures to apply for student teaching.

Students who are working toward a master's or doctoral degree while taking course work leading to entitlement or endorsement from a graduate level program should submit an "Intent to File for Certification" form to the Office of Clinical Experiences and Certification Processes, 56 DeGarmo Hall. (This form and information concerning graduate certification may be downloaded at www.coe.ilstu.edu/teacheredcenter/cecp/cert_info/grad.shtml.) Certification is not given automatically at the completion of specified course work or degree work.

Refer all questions concerning graduate certification to the Office of Clinical Experiences and Certification Processes in the Cecilia J. Lauby Teacher Education Center.

CURRICULUM AND INSTRUCTION (C&I)

232 DeGarmo Hall, (309) 438-5425
www.coe.ilstu.edu/ci

Chairperson: Phyllis Metcalf-Turner. Office: DeGarmo Hall 232.

Graduate Program Coordinators: Adel Al-Bataineh, Thomas Crumpler, Michael Lorber, Ellen Spycher.

Graduate Faculty: A. Al-Bataineh, T. Bassoppo-Moyo, A. Bates, R. Brown, P. Clardy, P. Clardy, T. Crumpler, D. Curtis, L. Handsfield, D. Hatch, T. Haynes, K. Jerich, J. Kim, D. Kruger, N. Latham, K. Lind, A. Lorschach, T. Lucey, P. Metcalf-Turner, B. Meyer, G. Michie, M. Moore, M. Morey, V. Morgan, R. Moss, G. O'Malley, C. Owles, D. Park, E. Skinner, B. Smith, E. Spycher, C. Toledo, L. Wedwick, G. Weilbacher.

University Regulations

In addition to the requirements of the individual graduate program, all students are subject to University regulations detailed in the front of the Graduate Catalog. Below is a summary of the most commonly referenced regulations. To locate full details of each regulation, use the index at the end of the catalog.

Academic Good Standing: A 3.00 minimum cumulative graduate GPA is required for graduation and for all courses and activities that require good academic standing.

Course Numbering System, Course Offerings: Some 300- and 400-level courses will not count toward graduate degrees. Any 300-level courses not listed in the Graduate Catalog are undergraduate credit only, are not available for graduate credit. Courses numbered 399 and 429 may be taken for graduate credit but do not count toward a graduate degree.

Use of credit hours from the course group 393, 397, 400, 493, 498 toward a degree is limited. No more than 9 hours total from this group count toward the degree. No more than 6 of the 9 hours may come from 400. Review degree requirements and count previous hours taken from this group before enrolling, since once the limit is reached, no more hours from this group will apply toward the degree.

Use of thesis/dissertation hours toward a degree is limited.

Student-at-Large: Courses taken as a student-at-large do not count toward the degree unless recommended by the degree program. Limit of 12 hours.

Transfer of Credit: Transfer courses must meet university qualifications and be approved by the program and Graduate School. No transfer of the following: courses with grade lower than B, independent study, courses from non-accredited universities, courses used toward another degree, courses over six years old when student first registered for the ISU degree program. No transfer of credit is counted toward 400-level hours requirement. Request for Transfer of Credit form is posted at www.grad.ilstu.edu/plans/.

Time Limitations: Degree completion is subject to university time limitations. Students who do not meet the time limit may be required to retake courses.

Readmission of Former Students: A lapse in registration of one calendar year or more requires application for readmission to the university.

Continuous Registration: Thesis and dissertation students must maintain continuous registration. Students generally enroll in 499 Master's Thesis or 599 Doctoral Dissertation. Under certain circumstances 499.01, 499.90, 599.01, or 599.90 may be appropriate.

Doctor of Education in Curriculum and Instruction

The Department of Curriculum and Instruction offers work leading to the Ed.D. in Curriculum and Instruction. This multidisciplinary program is designed to prepare researchers and practitioners for educational leadership roles in colleges or universities as well as the public and private sector. Students may pursue courses of study related to positions such as faculty members in community colleges, four-year colleges and universities; teacher educators; curriculum coordinators; staff development directors; or educational specialists.

Admissions Requirements

To be eligible for consideration for admission, applicants must submit to University Admissions the following for review: scores from the Graduate Record Examination (GRE); one official transcript from each college or university other than Illinois State University; and a master's degree or equivalent. Submit directly to the Department three letters of recommendation; an academic writing sample; professional experience and a professional statement. A Test of English as a Foreign Language (TOEFL) score is required of applicants for whom English is a second language. For admission for fall semester 2008, applications must be submitted by March 1, 2008; for spring semester 2009, applications must be submitted by October 1, 2008. Applications for admission are not reviewed from May 15 until August 15. Currently, the program is not admitting students into the Post-Secondary area of concentration. A full description of admission procedures may be found on the Curriculum and Instruction departmental Web site.

Program Requirements

The doctoral degree requires a doctoral examination and a minimum of 75 semester hours: 60 hours of course work and 15 hours of dissertation research. Course requirements for the degree include a minimum of 24 semester hrs. in Curriculum and Instruction with 12 semester hrs. in an area of concentration; a minimum of 9 semester hrs. in Educational Foundations, including 6 semester hrs. of research methods or statistics; a minimum of 21 semester hrs. in a complementary field; and a 6 semester hrs. internship. A full description of program require-

ments may be found on the Curriculum and Instruction departmental Web site.

Scholarly Development Requirement (in lieu of Residency Requirement): A doctoral student is expected to work with one or more faculty scholar-mentors to demonstrate scholarly development as a joint or single author. This demonstration is to be completed after 18 hours of course work and prior to undertaking the comprehensive doctoral examination. The demonstration of scholarly development may take the form of, but is not limited to, one of the following: prepare and submit a manuscript for publication; prepare and deliver a conference paper or presentation/prepare and submit a grant proposal for funding. Such scholarly work should be directed to at least a statewide audience.

Master of Science in Curriculum and Instruction

Admission Requirements

Applicants to the M.S. degree program in Curriculum and Instruction may be considered for admission by meeting all of the following requirements: have 3.0 grade point average in the last 60 semester hours of undergraduate work; possess a teaching certificate; hold a valid teaching experience. Applicants who do not possess the required experience may request admission in consultation with the master's coordinator. The master's program does not lead to certification. For admission for fall semester 2009, applications must be received by May 1, 2009; for spring semester 2010, applications must be received by October 1, 2009. Applications for admission for summer 2010 must be received by March 1, 2010.

Program Requirements

The M.S. in Curriculum and Instruction is based on the five propositions of the National Board for Professional Teaching Standards: 1) Teachers are committed to students and their learning; 2) Teachers know the subjects they teach and how to teach those subjects to students; 3) Teachers are responsible for managing and monitoring student learning; 4) Teachers think systematically about their practice and learning from experience; 5) Teachers are members of learning communities.

The M.S. in Curriculum and Instruction is a 30-hour program that includes either a culminating research experience or a thesis. The following courses are required for both options: C&I 407, 409, 411, EAF 410, 6 hours of a specialization, and 6 hours of elective coursework. Students in the thesis option must take 6 hours of C&I 499; students in the culminating experience option must take C&I 481 and 482. No 300-level courses in the College of Education will be accepted for plans of study.

Master of Science in Education in Curriculum and Instruction

This program is currently not accepting applications.

Master of Science in Instructional Technology and Design

The Master of Science in Instructional Technology and Design is a 36-hour, cross-curricular program that offers two

sequences. The Education/Technology Specialist Sequence provides individuals with professional level skills in the organization, design, and application of resources to the solution of instructional problems within schools and provides candidates the opportunity for the Technology Specialist Endorsement. The Business and Industry Sequence provides students with knowledge of instructional technology design and educational application in the workplace environment. Both sequences require either a research and development capstone experience or a thesis.

Admission Requirements

To be eligible for admission, students must submit scores from the Graduate Record Examination (GRE) General Test, have a bachelor's degree, and have maintained a grade point average of 3.0 or more for the last 60 hours of undergraduate education. International students must present a TOEFL score of at least 570 (paper/pencil) or 230 (computer-based). Applicants must submit a written statement regarding personal experience with computers and technology, relating professional goals to the program objectives. Basic computer skills and Internet access are necessary. Applicants interested in the Technology Specialist Endorsement Sequence must possess a current teaching certificate and two years teaching experience.

Academic Requirements

There are two 36-hour program sequences.

Education/Technology Specialist Sequence: 12 semester hours of Core Courses consisting of C&I 407, 432, 434, and EAF 410 are required. Nine additional semester hours required for the Education/Technology Specialist Sequence are C&I 401, 438, and EAF 401. Nine hours of recommended electives are required from the following departments by advisement: Art, Information Technology, Communications, Curriculum & Instruction, Educational Administration & Foundations, Music, Technology, Special Education, or Theater. Students may choose from two options to complete the master's degree. One is a research and development synthesis option requiring completion of a comprehensive examination and C&I 486 and C&I 487. The second is a thesis for six credit hours of C&I 499.

Business and Industry Sequence: 12 semester hours of Core Courses consisting of C&I 407, 432, 434, and EAF 410 are required. Six hours of additional courses required for this sequence are C&I 430, and one of the following: C&I 438, IT 383, or ACS 375.05. Twelve hours of recommended electives are required from the following departments by advisement: Art, Information Technology, Communications, Curriculum & Instruction, Educational Administration & Foundations, Music, Technology, Special Education, or Theater. Students may choose from two options to complete the degree. One is a research and development synthesis option requiring completion of a comprehensive examination and C&I 486 and C&I 487. The second is a thesis for six credit hours of C&I 499.

Graduate requirements include a component that provides for two degree options; a year-long instructional research and design synthesis project and portfolio, or a thesis option. Students will present completed projects at the end of each semester and will present their portfolio for assessment to a professional committee composed of two professors from

within the Department of Curriculum & Instruction and one from outside the department.

Master of Science in Education in Reading

Admission Requirements

The department offers the M.S.Ed. in Reading. Applicants to the Master's Degree Program in Reading Education may be considered for admission by having obtained a 3.0 GPA in the last 60 semester hours of undergraduate work, possessing a current teaching certificate, and completing at least two years teaching experience. If an applicant's GPA for the last 60 semester hours of undergraduate work is below a 3.0, the applicant may be considered for probationary admission by taking 9 semester hours of required course work and obtaining a 3.3 GPA, or by submitting a combined verbal and quantitative score on the GRE of at least 1000 (if taken before fall 2007). All students in the program must meet with their advisor at the beginning of the program.

Program Requirements

The M.S.Ed. in Reading is a 36-hour program that includes a comprehensive examination and a 6-hour Professional Research experience. The following courses are required: C&I 461, 462, 463, 465, 467, 468, 469, 470.01, 493.03; EAF 415; and 6 hours of electives at the graduate level. No 300-level courses in the College of Education will be accepted for the plan of study.

Endorsing Teaching Certificates

Reading Teacher

The Illinois State Board of Education has identified six areas of study required of all teachers whose major teaching assignment is reading. All teachers assigned departmentalized responsibility in reading or language arts must meet this 24 semester hour requirement. The Reading Program offers all course work leading to the endorsement of a reading teacher.

Reading Specialist

Course work leading to the Reading Specialist is offered in the Reading Program. The program leading to the Specialist Reading Certificate requires the completion of 36 semester hours in reading and related educational areas. Students working on the Reading Specialist must first have a current teaching certificate.

Post-Baccalaureate Graduate Certificate in School Librarianship

The Post-Baccalaureate Graduate Certificate in School Librarianship provides 24 hours of coursework that prepares teachers to work in school libraries. The program is available to certified teachers and to students who have completed the bachelor's degree and are working on their initial certification. It is designed to help students receive endorsement as Library Information Specialist and to pass the Illinois content area examination. The course of study requires satisfactory completion of the following courses: C&I 401, 440, 442, 444, 445, 449 (or 454), and six more elective credit hours in

library science-related courses. Some of these courses may apply as electives to a degree program. Information on admission is available from the Department of Curriculum and Instruction.

Post-Baccalaureate Graduate Certificate for Alternative Route to Secondary Teacher Certification

This program is currently not accepting applications.

The Post-Baccalaureate Graduate Certificate for Alternative Route to Secondary Teacher Certification is a 25- to 28-hour program leading to an initial teaching certificate for secondary school teachers in the State of Illinois. Required for admission are (a) a bachelor's degree or higher or 32 semester hours in a high-need content area (verified by two official transcripts sent to the Admissions Office), (b) five years of satisfactory work experience in an area related to that in which certification is sought, (c) a signed Memorandum of Agreement verifying a one-year internship position, (d) a passed criminal background check and tuberculosis test, (e) a passed latest version of the Illinois State Enhanced Basic Skills test, and (f) a passed appropriate content area knowledge test, and any other mandated state assessments in effect for new teachers. The course of study requires satisfactory completion of the following courses: C&I 429.05, 429.06, 493.14, 493.15, SED 411, 498.50 (Professional Practice), and a discipline-specific special methods course. Those meeting the special methods course requirement for undergraduate credit will use the 25-hour program. Information on admission is available from the Department of Curriculum and Instruction.

Discipline-specific methods courses are offered by individual academic departments at Illinois State (for example, the methods course for certification in math is offered by the Math Department) and may not be available every semester or in summer. Those courses may also carry specific prerequisites in the subject area. Students planning on seeking alternative certification are advised to consult the academic department to find out when the methods course is scheduled as well as any prerequisites for enrollment. Students may also fulfill this requirement by completing an appropriate discipline-specific methods course offered by another college or university, either conventionally or online. Students planning on taking a discipline-specific methods course from another institution are advised to consult that institution ahead of time for information on scheduling and prerequisites. In some cases, it may be possible to arrange a methods course as an independent study if a student's proposal is approved by the academic department at Illinois State. For further information on independent study, students should contact the Alternative Certification program coordinator.

Courses

312 URBAN FIELD EXPERIENCE 3 or 6 sem. hrs.

An off-campus, community-based experience in urban schools, local community agencies, and state and private institutions serving youth.

319 STUDY OF BILINGUAL/BICULTURAL EDUCATION 3 hrs.

Theory, research, and practice in bilingual/bicultural education.

320 BILINGUAL/BICULTURAL PROGRAM DESIGN AND IMPLEMENTATION 3 hrs.

Emphasizes the process of developing a bilingual program, and examines the alternatives available at each stage.

321 BILINGUAL/BICULTURAL METHODS AND MATERIALS 3 hrs.

Survey of methods and development of materials for teaching in bilingual/bicultural contexts. Prerequisites: Bilingual language proficiency (ENG/SPA) or consent of instructor.

401 INSTRUCTIONAL MEDIA AND TECHNOLOGY 3 sem. hrs.

Applications of technology to theories of learning and methods of instruction. Developing and evaluating courseware to facilitate classroom instruction.

402 REFLECTIVE TEACHING PRACTICE 3 sem. hrs.

The study of the relationship between teacher reflection, planning, decision-making, and teaching practice.

407 LEARNING IN EDUCATIONAL SETTINGS 3 sem. hrs.

The study of classroom learning and assessment.

409 STUDENT DIVERSITY AND EDUCATIONAL PRACTICES 3 sem. hrs.

Examination of the student diversities found in classrooms and the impact of diverse learners on curricular and instructional practices.

411 CURRICULUM 3 sem. hrs.

The study of curriculum models, planning, and evaluation.

421 FUNCTIONS OF THE MIDDLE SCHOOL 3 sem. hrs.

Study of the classical functions of early adolescent education and the relationship of these functions to contemporary institutional/instructional settings.

423 DEVELOPMENTAL ISSUES IN EARLY ADOLESCENT EDUCATION 3 sem. hrs.

Examination of developmental patterns and issues in the education of early adolescents in middle level schools.

430 INSTRUCTIONAL TECHNOLOGY IN THE WORKPLACE 3 sem. hrs.

Examines the use of instructional technology in business, industry, government and military settings. Emphasis on possible resolutions to problems of selection, implementation, maintenance, and replacement. Prerequisite: Degree standing in Instructional Technology or consent of instructor.

432 INSTRUCTIONAL TECHNOLOGY DESIGN 3 sem. hrs.

Application of design principles and processes to resolve performance problems in educational and workplace settings through instructional technology. Prerequisites: C&I 401 or 430.

**434 INSTRUCTIONAL TECHNOLOGY
PRODUCT DEVELOPMENT**
3 sem. hrs.

Development of interactive multimedia instructional technology products for resolving performance problems in educational and workplace settings. Prerequisite: C&I 432.

**435 MORAL DEVELOPMENT
ISSUES IN CURRICULUM
AND INSTRUCTION**
3 sem. hrs.

Explores the nature of morality and its relationship to curriculum and instruction processes including professional relationships and technology use. Prerequisite: C&I 409 recommended.

**436 TEACHING FINANCIAL LITERACY
AND SOCIAL JUSTICE**
3 sem. hrs.

Methods of teaching financial education and related social justice issues. Prerequisite: C&I 409 recommended.

438 DISTANCE LEARNING
3 sem. hrs.

Examines the historical, conceptual, theoretical, and practical issues of distance teaching and learning. Provides an opportunity to research, design, develop, deliver, and evaluate curricula for distance learning. Prerequisites: C&I 401, 430, or consent of instructor.

**440 MANAGEMENT OF SCHOOL
LIBRARY MEDIA PROGRAMS**
3 sem. hrs.

Administration and leadership of school libraries including planning for integration into the curriculum, supervision, assessment, budgeting, collaboration with administration and teachers. Prerequisite: Certified teacher or consent of instructor.

441 EDUCATION OF THE GIFTED
3 sem. hrs.

Survey of the field of education of the gifted. Deals with definition, identification, characteristics, programming, materials and evaluation of gifted students.

**442 ORGANIZATION AND
ACCESS TO INFORMATION
IN THE SCHOOL LIBRARY**
3 sem. hrs.

Organizing and making information accessible through classification, technology, knowledge of legal and professional guidelines, facilities planning, and policy information. Prerequisite: Certified teacher or consent of instructor.

**443 ADVANCED TOPICS
IN CURRICULUM
AND INSTRUCTION**
3 sem. hrs.

Advanced graduate study of curricular and instructional topics. May be repeated if topic different for maximum of 9 hours.

**444 REFERENCE AND
INFORMATION SERVICES**
3 sem. hrs.

Provision of assistance in finding, evaluating, and using information, with emphasis on the knowledge and use of print and online reference sources. Prerequisite: Certified teacher or consent of instructor.

**445 INFORMATION LITERACY INSTRUCTION
FOR SCHOOL LIBRARIES**
3 sem. hrs.

Integration of school libraries into the curriculum with librarians as teachers, advocates, and collaborators in implementing information literacy instruction. Prerequisite: Certified elementary, middle, or high school teacher, or consent of instructor.

**446 HISTORICAL AND PHILOSOPHICAL
CONTEXT FOR CURRENT ISSUES IN
EARLY CHILDHOOD EDUCATION**
3 sem. hrs.

Study and analysis of historical and philosophical contexts for current issues in early childhood. Prerequisite: Admission to graduate school at Illinois State University.

**447 LEGAL AND FISCAL ISSUES
IN EARLY CHILDHOOD
EDUCATION PROGRAM
ADMINISTRATION**
3 sem. hrs.

Fiscal, legal, and ethical issues related to early childhood program administration and leadership. Prerequisite: Admission to graduate school at Illinois State University.

**448 CURRICULUM DESIGN
AND ASSESSMENT IN EARLY
CHILDHOOD EDUCATION**
3 sem. hrs.

Study of early childhood curriculum models, evaluation and assessment. Prerequisite: C&I 411; admission to graduate school at Illinois State University.

**449 SELECTION AND USE OF
MATERIALS IN THE
ELEMENTARY SCHOOL LIBRARY**
3 sem. hrs.

Collection development of print and nonprint materials, grades K-8. Emphasis on age-appropriate materials supporting school curriculum and student learning. Prerequisite: Certified teacher or consent of instructor.

450 CURRICULUM IN SCIENCE EDUCATION
3 sem. hrs.

An historical review of science education curricula and analysis of contemporary standards-based curricula.

**451 RECENT RESEARCH IN
SCIENCE EDUCATION**
3 sem. hrs.

Review and critical analysis of research in science education. Application of research for reflection and improvement of practices in science education.

**453 INSTRUCTIONAL STRATEGIES FOR
SCHOOL SCIENCE**
3 sem. hrs.

Analysis and application of current theory and research to the design and delivery of science instructional strategies.

**454 SELECTION AND USE OF MATERIALS IN
THE SECONDARY SCHOOL LIBRARY**
3 sem. hrs.

Collection development of print and nonprint materials, grades 6-12. Emphasis on age-appropriate materials supporting school curriculum and student learning. Prerequisite: Certified teacher or consent of instructor.

461 RECENT RESEARCH IN LITERACY LEARNING
3 sem. hrs.

Study of recent research in literacy learning, emphasizing interpretation, critical analysis, and application of research for the improvement of instruction. May be repeated for credit every five years; may be applied only once to a graduate degree program.

462 THEORETICAL FOUNDATIONS OF READING
3 sem. hrs.

Theoretical bases for reading instruction, from cognitive to social-cultural processes as they relate to the teaching of reading.

463 ASSESSMENT OF LITERACY LEARNING
3 sem. hrs.

Evaluation of literacy learning using authentic assessments, standardized tests, observations and portfolios. Field experiences required. Prerequisites: C&I 461 and 462 recommended.

464 LANGUAGE ARTS INSTRUCTIONAL STRATEGIES
3 sem. hrs.

The curriculum organization, instructional materials, and instructional strategies for language arts programs.

465 CONTENT AREA LITERACY
3 sem. hrs.

Strategies and materials designed to provide content area literacy instruction.

467 ADVANCED LITERACY ASSESSMENT AND INSTRUCTIONAL STRATEGIES
3 sem. hrs.

Advanced study of miscue analysis for assessing strategies of ineffective readers; includes development of instruction to support less proficient readers. Prerequisites: C&I 462 and 463. Clinical experiences.

468 PROFESSIONAL RESEARCH IN LITERACY LEARNING I
3 sem. hrs.

Design and implementation of curricular and instructional change in literacy learning in an educational setting. Prerequisites: C&I 467; 27 hours in Reading Program; consent of the Reading Program Coordinator; approved plan of study.

469 PROFESSIONAL RESEARCH IN LITERACY LEARNING II
3 sem. hrs.

Implementation of curricular and instructional change in literacy learning in an educational setting. Prerequisite: C&I 468.

470 SEMINAR IN LITERACY
1-3 sem. hrs.

Analysis of current literacy learning practices, trends, and issues.

471 SEMINAR ON FAMILY LITERACY
3 sem. hrs.

Examines theoretical, pedagogical and research issues in family literacy, particular emphasis on cultural contexts in which children live.

473 MENTORING STUDENT TEACHERS
2 sem. hrs.

Development of effective mentoring techniques for use by cooperating teachers for students during the student teaching semester. Prerequisite: Assignment of early childhood, elementary education, or middle level student teacher from Illinois State University during the semester of enrollment.

478 EVALUATING STUDENT PERFORMANCE
3 sem. hrs.

Examination of the theory and practice of student evaluation. Communicating student achievement and the use of assessments as decision-making tools.

481 PROFESSIONAL RESEARCH
3 sem. hrs.

Study of teacher-initiated research and design of a curricular or instructional research project in an educational setting. Prerequisites: 24 hrs. in a program of study and consent of advisor.

482 PROFESSIONAL RESEARCH II
3 sem. hrs.

Conduct and present a curricular or instructional research project in an educational setting. Prerequisite: C&I 481.

486 RESEARCH AND DEVELOPMENT SYNTHESIS I
3 sem. hrs.

Opportunity to develop a high-quality educational multimedia team project reflecting the processes of design, development, management, implementation, and evaluation. Begin the development of an individual instructional research project or a professional multimedia project. This course is to be taken after all Core Curriculum and Area of Specialization courses are complete. Prerequisites: C&I 432 and C&I 434.

487 RESEARCH AND DEVELOPMENT SYNTHESIS II
3 sem. hrs.

Conduct and present a technology research project or develop and present a product for an educational environment. Prerequisite: C&I 486.

491 INTERNSHIP IN COLLEGE TEACHING
3 sem. hrs.

Observation and teaching in the student's major area, with other experiences appropriate to academic involvement at the college level. Offered in cooperation and with the approval of the student's major department. Prerequisite: Graduate standing.

499 MASTER'S THESIS
1-6 sem. hrs.

530 CURRICULUM AND INSTRUCTIONAL PATTERNS IN POST-SECONDARY EDUCATION
3 sem. hrs.

Readings on major curricular and instructional patterns in colleges, universities, continuing education, and personnel training programs. Emphasis on individualized study and reports.

538 EVALUATION OF INSTRUCTION IN POST-SECONDARY EDUCATION
3 sem. hrs.

Major conceptions, elements, and processes of instructional evaluation in colleges, universities, continuing education and personnel training programs.

539 SEMINAR IN CURRICULUM AND INSTRUCTION, POST-SECONDARY EDUCATION
3 sem. hrs.

Designed for intensive investigation of a variety of issues and contemporary trends related to the concerns of Post-Secondary educators.

555 SEMINAR IN LITERACY EDUCATION
3 sem. hrs.

An advanced exploration of a specific topic in literacy education. Prerequisite: C&I 551 or 553 or master's degree in literacy/reading education.

562 THE EDUCATION OF TEACHERS
3 sem. hrs.

A study of the professional development of teachers and those involved in teacher education. Current practices and reform literature associated with pre-service and inservice teacher education.

563 CRITICAL ISSUES IN TEACHER EDUCATION
3 sem. hrs.

Analysis of curricular debates within teacher education, emphasizing the relationship of current mandates to the larger purposes of teacher preparation. Prerequisite: C&I 562 or consent of instructor.

564 ASSESSMENT IN TEACHER EDUCATION
3 sem. hrs.

Inquiry into recent research in assessment and relationships among new views of knowledge, teacher learning, and assessment of teachers. Prerequisite: C&I 562 or consent of instructor.

575 INSTRUCTIONAL RESEARCH
3 sem. hrs.

Alternative modes of research and their application in resolving problems of instructional practice. Meta-analysis of major research paradigms.

576 CONTEMPORARY CURRICULUM THEORY AND DESIGN
3 sem. hrs.

Examination of forces influencing curriculum improvement. Focuses on analysis of curriculum and application of principles for resolution of curriculum problems.

577 ADVANCED SUPERVISION OF INSTRUCTION
3 sem. hrs.

Knowledge base and skills needed for instructional supervision in teacher education. Emphasis on application of research in clinical settings.

578 INSTRUCTIONAL DESIGN
3 sem. hrs.

Design of instruction for schools, colleges, universities and other educational programs. Application of design principles for resolution of instructional problems.

579 EDUCATIONAL TECHNOLOGY
3 sem. hrs.

Examination of the perspectives, theoretical foundations, and techniques of educational technology, and integration of that technology into the curriculum.

590 IMPROVEMENT OF INSTRUCTIONAL PRACTICE IN POSTSECONDARY EDUCATION
3 sem. hrs.

Principles and methods for instructional improvement in post-secondary education. Emphasis on analyzing and resolving instructional problems.

595 RESEARCH SEMINAR IN EDUCATION
1-3 sem. hrs.

Study of specialized research methods, tools, and techniques. Emphasis on dissertation research design. Prerequisite: C&I 575 and consent of instructor. May be repeated if content different.

598 PROFESSIONAL PRACTICE/INTERNSHIP
1-12 sem. hrs.

Professional Practice (.01) and Doctoral Internship (.02) provide for the integration of academic content materials with the role expectations of professional personnel.

599 DISSERTATION RESEARCH
Variable credit

Research relating to requirements for the Doctor of Education degree. Approval of the program coordinator is required.

EDUCATIONAL ADMINISTRATION AND FOUNDATIONS (EAF)

331 DeGarmo Hall, (309) 438-5422
www.coe.ilstu.edu/eafdept

Chairperson: Patricia Klass. Office: 331 DeGarmo Hall.

Graduate Program Directors: Patricia Klass, Marcia Escott Hickrod, Larry Lowe.

Graduate Faculty: A. Adkins, D. Ashby, R. Ashton, A. Azinger, D. Dean, N. Durflinger, L. Eckrich, V. Evans-Winters, D. Gardner, P. Klass, L. Kyei-Blankson, Z. Lin, E. Lugg, L. Lyman, P. McCluskey-Titus, J. Mogilka, M. Nur-Awaleh, S. Otto, J. Pacha, G. Padavil, J. Palmer, I. Pulido, R. Riegle, J. Rugutt, N. Sappington, W. Troxel.

University Regulations

In addition to the requirements of the individual graduate program, all students are subject to University regulations detailed in the front of the Graduate Catalog. Below is a summary of the most commonly referenced regulations. To locate full details of each regulation, use the index at the end of the catalog.

Academic Good Standing: A 3.00 minimum cumulative graduate GPA is required for graduation and for all courses and activities that require good academic standing.

Course Numbering System, Course Offerings: Some 300- and 400-level courses will not count toward graduate degrees. Any 300-level courses not listed in the Graduate Catalog are undergraduate credit only, are not available for graduate credit. Courses numbered 399 and 429 may be taken for graduate credit but do not count toward a graduate degree.

Use of credit hours from the course group 393, 397, 400, 493, 498 toward a degree is limited. No more than 9 hours total from this group count toward the degree. No more than 6

of the 9 hours may come from 400. Review degree requirements and count previous hours taken from this group before enrolling, since once the limit is reached, no more hours from this group will apply toward the degree.

Use of thesis/dissertation hours toward a degree is limited.

Student-at-Large: Courses taken as a student-at-large do not count toward the degree unless recommended by the degree program. Limit of 12 hours.

Transfer of Credit: Transfer courses must meet university qualifications and be approved by the program and Graduate School. No transfer of the following: courses with grade lower than B, independent study, courses from non-accredited universities, courses used toward another degree, courses over six years old when student first registered for the ISU degree program. No transfer of credit is counted toward 400-level hours requirement. Request for Transfer of Credit form is posted at www.grad.ilstu.edu/plans/.

Time Limitations: Degree completion is subject to university time limitations. Students who do not meet the time limit may be required to retake courses.

Readmission of Former Students: A lapse in registration of one calendar year or more requires application for readmission to the university.

Continuous Registration: Thesis and dissertation students must maintain continuous registration. Students generally enroll in 499 Master's Thesis or 599 Doctoral Dissertation. Under certain circumstances 499.01, 499.90, 599.01, or 599.90 may be appropriate.

Programs Offered

Work leading to the M.S., M.S. in Ed., Ed.D. and Ph.D. degrees is offered in Educational Administration. The M.S. in College Student Personnel Administration is also available. Students may include in their academic programs courses required for Illinois Administrative Certification. The department also offers course work in the areas of educational foundations, research and evaluation, higher education administration, and P-12 school administration.

Master's Degree Programs

College Student Personnel Administration (M.S.)

This program is appropriate for individuals with full-time experience or student leadership experience who wish to perform the role of administrator, advisor, programmer, or educator in student affairs or higher education administration.

Admission Requirements

To be admitted to the CSPA Master's program, a student must have either a 3.0 GPA (on a scale in which A equals 4.0) for the last 60 hours of undergraduate work or, if less than a 3.0 GPA, provide scores from the General Tests of the Graduate Record Examination (GRE). Students must either demonstrate leadership in campus life or related full-time work experience to be admitted to this degree program. All applicants must submit two letters of reference (one from a professor and one from someone familiar with the student's activities and involvement or related work), a current resume, an essay addressing motivation and qualifications to pursue the degree, and a credential supplement sheet. An interview may be required for admission. Full-time students are admitted during the fall semester only.

University requirements for admission to this degree are listed elsewhere in this catalog.

Program Requirements

The CSPA Master of Science degree requires either 42 credit hours of course work with a capstone seminar, or 36 credit hours of course work plus a comprehensive examination, or 36 credit hours plus a thesis.

Educational Administration (M.S./M.S. in Ed.)

Admission Requirements

To be admitted to the master's program a student must have at least a 3.0 GPA (on a scale in which A equals 4) for the last 60 hours of undergraduate work and submit scores from the General Test of the Graduate Record Examination. Applicants must also show evidence of at least two years of full-time P-12 teaching (or counseling) experience and a valid certificate. All applicants must complete a Department credential supplement form with its requested material including professional letters of reference, a resume, and an essay. Admission is competitive.

Program Requirements

University requirements for the master's degree are listed elsewhere in this catalog. The department offers two master's degree programs. The M.S. degree requires 33 credit hours with a thesis (EAF 401, 410, 423, 447, 465, 478, 482, 487, 494, and C&I 478). The M.S. in Ed. degree requires 39 credit hours of course work. A required seminar serves as a synthesizing experience to the 39 hour option. All students take EAF 410, an EAF Foundations course, SOA 465 or EAF 487, and either EAF 482, a comprehensive exam, or write a thesis. Check with the department regarding courses required for certification.

Doctoral Programs

Admission Requirements

The Department offers work leading to the Ed.D. and Ph.D. degrees. To be eligible for consideration for admission, applicants must submit the following for review: scores from the Graduate Record Examination (GRE); one official transcript from each college or university other than Illinois State University; two professional letters of recommendation: a statement of career goals, indicating their compatibility with the Department's mission, and an academic writing sample. The letters of recommendation, writing sample, and career goals are submitted directly to the Department, not to Admissions. Applicants must have either a Type 75 certificate with school leadership experience (P-12 focus) or have two years' experience at a higher education institution or related agency (higher education focus). Admission is competitive. Other university requirements for these degrees are listed elsewhere in this catalog.

Program Requirements

The doctoral program requires a doctoral examination and a minimum of 75 hours: 60 hours of course work and 15 hours of dissertation research. All students must meet with an advisor to develop an approved plan of study.

Requirements for Ph.D. Candidacy

In general, the department requires that a Ph.D. candidate must have competency in two research methodologies. Competency in a methodology may be demonstrated by:

1. Certification by the Department of Educational Administration and Foundations regarding knowledge and application of statistics, qualitative research, or assessment as a research methodology.
2. Certification by the Department of Educational Administration and Foundations (and faculty external to the department when appropriate) regarding knowledge and application of other research methodologies (e.g. legal research).
3. Certification by the Department of Educational Administration and Foundations (and faculty external to the department when appropriate) regarding knowledge and application of a discipline for research purposes.

Post-Master's Graduate Certificate Programs

Post-Master's Graduate Certificate for General Administrative Certification

The course of study for this Post-Master's Graduate Certificate meets the requirements for the General Administrative (Type 75/Principalship) Endorsement. Required for admission is documentation of at least two years of full-time P-12 teaching experience and possession of a master's degree from a regionally accredited institution of higher education. For this 39 hour program, the following courses (3 credit hours each) are required: EAF 401, 410, 423, 465, 478, 482, 485, 494, EAF/SED 447, C&I 478, and SOC 465 or EAF 487. Six hours of EAF 498 are required.

Post-Master's Graduate Certificate for Superintendent Endorsement in Educational Administration

The course of study for this Post-Master's Graduate Certificate meets the requirements for the Superintendent Endorsement. Required for admission is documentation of P-12 leadership experience, Type 75 certificate, and possession of a master's degree from a regionally accredited institution. For this 36 hours program, the following courses (3 credit hours each) are required: EAF 508, 521, 548, 576, 580, 582, 584, 585, 586, 587, and 598.

Post-Master's Graduate Certificate for Chief School Business Official

The course of study for this Post-Master's Graduate Certificate meets the requirements for the Chief School Business Official Endorsement. Required for admission is documentation of possession of a Type 75 certificate, a master's degree, and P-12 leadership experience. Applicants with a master's degree in Business or Accounting do not need the Type 75 certificate. For this 36 hour program, the following courses (3 credit hours each) are required: EAF 502, 508, 521, 548, 575, 576, 580, 584, 585, 586, 587, and 596.

Courses

401 ADMINISTERING EDUCATIONAL TECHNOLOGY

3 sem. hrs.

Planning, implementing, and evaluating technology. Practical approach to staff development, organizational effectiveness, facilities, finances, and technical aspects. Prerequisite: EAF or Instructional Technology degree students only.

410 RESEARCH METHODOLOGY AND STATISTICS IN EDUCATION I

3 sem. hrs.

The development of basic skills required in the understanding, planning, and executing of a research study; introduction to analysis of quantitative and qualitative data.

411 EDUCATIONAL EVALUATION AND ASSESSMENT

3 sem. hrs.

Quantitative, qualitative, and mixed-methods design, measurement, and analysis principles and practices for evaluation and assessment, program development, and instructional improvement. Prerequisite: EAF 410 or consent of instructor.

415 QUALITATIVE RESEARCH IN EDUCATIONAL SETTINGS

3 sem. hrs.

The development of the necessary knowledge and skills for applying qualitative techniques of investigation to the research of educational problems.

423 PROFESSIONAL ETHICS IN EDUCATION

3 sem. hrs.

Systematic inquiry into ethical issues faced by contemporary educators and philosophical techniques and theories which can help practitioners resolve them. Prerequisites: EAF 401, 410, 485, 494.

428 SELECTED TOPICS IN FOUNDATIONS OF EDUCATIONAL POLICY

3 sem. hrs.

Intensive inquiry into the educational significance of problems generated by philosophical, comparative, or historical issues. May be repeated if topics are different. Prerequisite for 428.01, Student Affairs Work: Admission to CSPA graduate program or consent of instructor.

447 ADMINISTERING EDUCATIONAL PROGRAMS FOR STUDENTS WITH DISABILITIES

3 sem. hrs.

Principles and problems involved in administration of educational programs for exceptional children. Also offered as SED 447.

461 STUDENT DEVELOPMENT THEORY IN HIGHER EDUCATION

3 sem. hrs.

Introduction to the relevant developmental theories and how they are applied in student affairs settings on college campuses. Prerequisite: Admission to the CSPA master's program.

462 ORGANIZATION AND ADMINISTRATION OF STUDENT AFFAIRS FUNCTIONS IN HIGHER EDUCATION
3 sem. hrs.

Introduction to the services, programs, staffing and policies offered in student affairs areas on college campuses. Prerequisite: EAF 461.

463 COLLEGE STUDENTS AND THEIR CULTURES
3 sem. hrs.

Overview of different campus cultures from a developmental, historical, and philosophical perspective, and the types of students within them. Prerequisite: EAF 461 or consent of instructor.

464 PRACTICUM IN COLLEGE STUDENT PERSONNEL ADMINISTRATION
3-8 sem. hrs.

Supervised work experience in a student services' office, department, or related area in a higher education setting. Prerequisite: EAF 462. May be repeated.

465 MANAGING HUMAN AND FISCAL RESOURCES IN EDUCATION
3 sem. hrs.

Prepares building administrators to plan and implement use of human and fiscal resources for delivery and improvement of educational programs. Emphasis is on skills principals need related to budget and personnel. Prerequisites: EAF 401, 410, 485, 494.

466 COLLEGE STUDENTS AND THE LAW
3 sem. hrs.

Legal concepts, issues, and court decisions affecting college students and implications for student personnel administrators in higher education.

467 ISSUES AND SKILLS FOR COUNSELING COLLEGE STUDENTS
3 sem. hrs.

Introduction to issues and structured practice of interpersonal skills required for counseling the college population. Prerequisites: EAF 461, 462 or permission of instructor

468 SEMINAR ON THE HISTORY OF AMERICAN HIGHER EDUCATION
3 sem. hrs.

Examines the historical development of American higher education, noting trends in types of institutions, funding, administration, students, faculty, and administration.

469 COMPARATIVE HIGHER EDUCATION
3 sem. hrs.

Comparative examination of contemporary issues in international higher education systems, including governance, finance, academic affairs, access and student affairs.

473 ORGANIZATION AND ADMINISTRATION OF COMMUNITY COLLEGES
3 sem. hrs.

Community colleges in relation to other post-secondary education institutions. Examines impact of organizational structure, policies, and finance on student outcomes.

478 LEGAL BASES OF PUBLIC EDUCATION
3 sem. hrs.

Legal aspects of public education with emphasis on constitutional law, the Illinois School Code, and judicial rulings. Examination of rights and responsibilities of boards, administrators, teachers and students. Prerequisites: EAF 401, 410, 485, 494.

482 ADMINISTRATION SEMINAR
3 sem. hrs.

Culminating seminar for 39-hour master's degree program. Emphasis upon changing educational relationships, students' major concerns, and current problems. Prerequisites: EAF 401, 410, 423, 465, 478, 485, 494; C&I 478. Prerequisite for EAF 482.01, College Student Personnel Capstone: Final semester in program or consent of instructor.

484 ADMINISTRATION OF CONTINUING EDUCATION AND PUBLIC SERVICE
3 sem. hrs.

Examines impact of organizational structure, policy, and finance on capacities of higher education to serve adult students.

485 THE PRINCIPALSHIP
3 sem. hrs.

The purpose of this course is the development and application of knowledge and competencies of the school building principal. EAF majors only.

487 ORGANIZATION DEVELOPMENT
3 sem. hrs.

Conceptual understanding and skill development in planned change, conflict management, interpersonal communications, group processes, and team building as they relate to improving organizations.

492 POLITICS OF EDUCATION SEMINAR
3 sem. hrs.

Serves as a practical way to introduce the student to the effect and understanding of the methods of politics in the educational arena; emphasis on state level politics of education.

494 EDUCATIONAL PUBLIC RELATIONS
3 sem. hrs.

Issues and techniques of Public Relations as a two-way process: interpreting the public to the system as well as interpreting the system to the public as a basis for action. Prerequisites: EAF 401 and 485.

498 PROFESSIONAL PRACTICE
1-3 sem. hrs.

Administrative experiences in educational settings that are planned and guided by university and educational organization personnel. May be repeated for credit.

499 MASTER'S THESIS
1-6 sem. hrs.

502 ADMINISTRATIVE AND RESEARCH APPLICATIONS OF EDUCATIONAL TECHNOLOGY
3 sem. hrs.

Development of computer skills for solving administrative and research problems; applications using word processing, spreadsheet analysis, database systems, data analysis, and graphics. Prerequisite: Prior research or administrative technology class.

508 APPLIED EDUCATIONAL RESEARCH
3 sem. hrs.

Presents technical and analytical tools needed to assess school district and unit performance and to conduct research on educational problems and issues. Prerequisites: EAF 410 or equivalent.

509 RESEARCH DESIGN IN EDUCATION: ISSUES AND STANDARD PRACTICES
3 sem. hrs.

Examination of issues related to designing and planning research studies. Students learn to apply techniques to specific educational research problems. Prerequisite: EAF 410 or equivalent.

510 RESEARCH METHODOLOGY AND STATISTICS IN EDUCATION II
3 sem. hrs.

Logic of statistical inference; introductory study of analysis of variance and multiple regression, with a computer oriented approach. Prerequisite: EAF 509 or equivalent.

511 RESEARCH METHODOLOGY AND STATISTICS IN EDUCATION III
3 sem. hrs.

Design of multi-variable studies, multivariate data analysis using statistical computer programs. Prerequisite: EAF 510 or equivalent.

512 ADVANCED TOPICS: RESEARCH METHODOLOGY
1-6 sem. hrs.

Provides for advanced study of research design and data analysis. Consult instructor prior to registration. Prerequisite: EAF 511 (quantitative) or 515 (qualitative) or consent of instructor.

513 EDUCATIONAL EVALUATION AND ASSESSMENT II
3 sem. hrs.

Critical analysis of the theories and practice of student assessment and program evaluation in P-12 and higher education. Prerequisite: EAF 411 or consent of instructor.

515 METHODS OF QUALITATIVE RESEARCH IN EDUCATION
3 sem. hrs.

Develops knowledge and skills in research design, data collection and analysis techniques associated with qualitative research. These techniques are employed in a research project associated with educational problems. Prerequisite: EAF 415 or SOA 473; or consent of instructor.

521 MORAL AND POLITICAL FOUNDATIONS OF EDUCATIONAL POLICY
3 sem. hrs.

Examination of moral and political dimensions of educational policy issues and critical reflection on purposes of education in a democracy.

523 SEMINAR IN EDUCATIONAL POLICY
3 sem. hrs.

Intensive inquiry into the comparative, philosophical, and/or historical dimensions of selected educational policies. May be repeated providing the subject matter is not repeated. Prerequisite: One graduate level course in educational foundations or consent of instructor.

524 EDUCATIONAL ADVOCACY
3 sem. hrs.

Examination of the theory and practice of educational advocacy.

525 CULTURAL FOUNDATIONS OF EDUCATION
3 sem. hrs.

Analysis of cultural foundations in education.

526 EDUCATIONAL THOUGHT
3 sem. hrs.

Critical reading and critique of selected works that have affected educational thought.

548 ADVANCED SEMINAR ON LEGAL BASES OF EDUCATION
3 sem. hrs.

For advanced graduate students in Educational Administration. Varied emphasis depending on interests of students and contemporary issues in school law. Prerequisites: EAF 478 and 582 or consent of instructor. May be repeated provided topics are not repeated.

561 ORGANIZATION AND GOVERNANCE IN HIGHER EDUCATION
3 sem. hrs.

Introduction and extensive reading of literature in organization and governance in higher education. Topics include organizational structure, policies, and practices for administration of contemporary higher education. Prerequisite: EAF 582 or consent of instructor.

563 CRUCIAL ISSUES IN AMERICAN HIGHER EDUCATION
3 sem. hrs.

Issues, problems, and current topical concerns in the administration of higher education. Specific topics may vary and students will complete research projects on selected current critical issues. May be repeated.

564 PLANNING IN HIGHER EDUCATION
3 sem. hrs.

Components, models, and approaches to planning in higher education. Includes needs assessment, master planning, self-study, outcomes, and the function of institutional research. Prerequisite: EAF 561 or consent of instructor.

570 PUBLIC FINANCE OF HIGHER EDUCATION
3 sem. hrs.

An investigation of topics and problems in the public finance of higher education. Topics will vary each semester but the following will be included: Revenue policy and expenditure policy for higher education, program and performance budgeting and other efficiency concerns, investment in education and national economic growth, aspects of the business management of higher education. Prerequisite: EAF 561 or consent of instructor.

571 COLLEGE AND UNIVERSITY ADMINISTRATION
3 sem. hrs.

Academic and other college/university departments are analyzed in relation to institutional problems and trends. Departmental management issues will include governance, finance, staffing, academic administration, coordination, and evaluation. Prerequisite: EAF 561 or consent of instructor.

575 SEMINAR IN SCHOOL BUSINESS MANAGEMENT**3 sem. hrs.**

Emphasis on planning and cost analysis strategies for local school district financial management. Content will vary with the needs of the students and focus on emerging problems in school business and financial management that leads to school improvement. Prerequisites: EAF 582 or consent of instructor. May be repeated.

576 ADMINISTRATION OF INSTRUCTIONAL PROGRAMS**3 sem. hrs.**

Administrative strategies for implementation, maintenance, revision, and evaluation of instructional programs and curriculum. Prerequisite: EAF 582.

578 LEGAL BASES OF HIGHER EDUCATION**3 sem. hrs.**

Overview of the law of higher and postsecondary education. Topics will vary, but the following will be included: legal issues pertaining to students, faculty, college employees, administrators, trustees, and governance. Prerequisites: Advanced graduate standing. Prerequisite: EAF 561 or consent of instructor.

579 RESEARCH SEMINAR ON THE PUBLIC FINANCE OF EDUCATION**3 sem. hrs.**

Seminar for graduate students who wish to understand and conduct research on the financing of education, critique output from major research centers.

580 EDUCATIONAL FACILITIES**3 sem. hrs.**

Educational facilities should support the educational program. Emphasis on appraising, managing, and planning school buildings, sites, equipment, and support services. Prerequisite: EAF 582.

582 ADMINISTRATIVE THEORY IN EDUCATION**3 sem. hrs.**

Overview of sociological and behavioral theories that are applicable to administration of various educational organizations.

583 SEMINAR IN EDUCATIONAL LEADERSHIP**3 sem. hrs.**

Designed to provide an understanding of the leadership structures and processes in educational organizations. Prerequisite: EAF 582.

584 SUPERINTENDENT AND CENTRAL STAFF**3 sem. hrs.**

An exploration of educational, political, cultural, historical, economic, and demographic perspectives that influence and shape the superintendency. Prerequisite: EAF 582 and other required certification courses; capstone course.

585 MANAGEMENT OF EDUCATIONAL FUNDS**3 sem. hrs.**

Develops competence in cash and investment management, budgeting, forecasting, fund accounting, financial statements, auditing, data processing systems, and student activity funds. Prerequisite: EAF 582.

586 ADMINISTRATION OF HUMAN RESOURCES**3 sem. hrs.**

Develop skills for administration of human resources. Emphasis on planning, enrollment forecasting, staff development, selection, contract administration, and legal requirements. Prerequisite: EAF 582.

587 COMMUNITY RELATIONS SEMINAR**3 sem. hrs.**

Selected issues in community relations, such as diversity, politics, partnerships, communication, and marketing. Focus on conceptual understanding and skill development. Prerequisite: EAF 582.

594 RESEARCH SEMINAR IN EDUCATION**3 sem. hrs.**

Designed for the development of a doctoral dissertation proposal ready for committee consideration. Various methodological and design components will be studied. Prerequisite: Consent of instructor.

596 NEGOTIATED AGREEMENT ADMINISTRATION AND DEVELOPMENT**3 sem. hrs.**

In-depth analysis of labor relations, contract administration, and collective bargaining issues. Prerequisite: EAF 582.

598 DISTRICT LEVEL PROFESSIONAL PRACTICE**3 sem. hrs.**

Standards-based experiences in school settings that are planned and guided cooperatively by university and school district personnel. Prerequisite: Students must have completed at least 9 hours of course work toward the superintendent endorsement before they can be enrolled in professional practice experiences. Students must pass the state certification exam prior to enrolling in the last 3 hours.

599 DISSERTATION RESEARCH**Variable credit**

Research relating to research requirements for Doctor of Philosophy and Doctor of Education degrees. Maximum of 16 semester hours credit in research may be counted toward residency.

SPECIAL EDUCATION (SED)

533 DeGarmo Hall, (309) 438-8980
www.specialeducation.ilstu.edu

Chairperson: Jeffrey P. Bakken. Office: DeGarmo Hall 533.

Graduate Program Coordinators: Maureen Angell, Debbie Shelden, Beverly Smith.

Graduate Faculty: M. Angell, J. Bakken, C. Blum, S. Bock, C. Clark, E. P. Crowley, B. Fulk, M. Lartz, H. Meadan-Kaplansky, P. Parette, G. Peterson-Karlan, D. Shelden, J. Stoner, J. Thompson, E. Watts.

University Regulations

In addition to the requirements of the individual graduate program, all students are subject to University regulations detailed in the front of the Graduate Catalog. Below is a summary of the most commonly referenced regulations. To locate full details of each regulation, use the index at the end of the catalog.

Academic Good Standing: A 3.00 minimum cumulative graduate GPA is required for graduation and for all courses and activities that require good academic standing.

Course Numbering System, Course Offerings: Some 300- and 400-level courses will not count toward graduate degrees. Any 300-level courses not listed in the Graduate Catalog are undergraduate credit only, are not available for graduate credit. Courses numbered 399 and 429 may be taken for graduate credit but do not count toward a graduate degree.

Use of credit hours from the course group 393, 397, 400, 493, 498 toward a degree is limited. No more than 9 hours total from this group count toward the degree. No more than 6 of the 9 hours may come from 400. Review degree requirements and count previous hours taken from this group before enrolling, since once the limit is reached, no more hours from this group will apply toward the degree.

Use of thesis/dissertation hours toward a degree is limited.

Student-at-Large: Courses taken as a student-at-large do not count toward the degree unless recommended by the degree program. Limit of 12 hours.

Transfer of Credit: Transfer courses must meet university qualifications and be approved by the program and Graduate School. No transfer of the following: courses with grade lower than B, independent study, courses from non-accredited universities, courses used toward another degree, courses over six years old when student first registered for the ISU degree program. No transfer of credit is counted toward 400-level hours requirement. Request for Transfer of Credit form is posted at www.grad.ilstu.edu/plans/.

Time Limitations: Degree completion is subject to university time limitations. Students who do not meet the time limit may be required to retake courses.

Readmission of Former Students: A lapse in registration of one calendar year or more requires application for readmission to the university.

Continuous Registration: Thesis and dissertation students must maintain continuous registration. Students generally enroll in 499 Master's Thesis or 599 Doctoral Dissertation. Under certain circumstances 499.01, 499.90, 599.01, or 599.90 may be appropriate.

Doctoral Program

The department offers work leading to an Ed.D. degree in Special Education. The program is designed to prepare individuals in teacher education, program design/management, and research/evaluation. Admission to the program requires possession of the master's degree and professional experience relevant to the education of exceptional children and youth. The doctoral program is highly individualized, based on educational and professional experience and career plans. A student's program will include formal course work, independent study, professional practice, and a dissertation. A minimum of 75 hours are required: 60 hours of course work and 15 hours of dissertation. Students who have completed a sixth-year program or have identified only post-master's degree competencies may petition for a waiver of up to 12 semester hours of the required 60 hours of work.

Admission to the Doctoral Program

To be admitted to the Doctoral Program in Special Education, a student must submit master's level transcripts and GRE

verbal and quantitative scores. Scores on the GRE analytical and writing tests will also be considered. A cover letter of intent, the SED Personal Data Form, three letters of recommendation from professors, employers, or supervisors, and two essays must be submitted directly to the Special Education Doctoral Program Coordinator. Specific forms and requirements for applications are available online at the Department's Web site. Preferred application deadline date is March 1. *Students will be admitted to a doctoral cohort. New cohorts will start approximately every two years.*

The Doctoral Curriculum

All doctoral candidates must complete a minimum of 75 semester hours to include:

- Twenty-one hours of core course work consisting of EAF 415, either 508 or 509, 510; SED 502, 512, 513, 540.
- Thirty-nine hours of specialized course work consisting of SED 514, 515, 517, 522, 579, 598.01, 598.02, 594, and 15 hours of electives.
- Fifteen hours of dissertation work resulting in an approved dissertation.

Post-Master's Graduate Certificate for Director of Special Education

Requirements for certification as a Director of Special Education may be met through a degree program (Doctorate in Special Education) or through a non-degree program (post-master's). Students seeking Director of Special Education certification must be admitted to the department as a post-master's graduate certificate student or as a doctoral student. Course work will enable students to meet ISBE standards leading to the Director of Special Education certification.

Admission to the Post-Master's Graduate Certificate for Director of Special Education

Admission requirements are the same for Director of Special Education certification for students in post-master's and doctoral programs: a master's degree in education or a field of related service personnel (School Psychologist, School Social Worker, Speech and Language Pathologist) from an accredited university with a minimum grade point average of 3.0 on a 4-point scale. In addition, all students must submit to the Director of Special Education Program Coordinator a cover letter of intent, three letters of recommendation attesting to the applicant's leadership skills, and an admission portfolio including evidence of all of the following: successful academic work in education, appropriate certification, two or more years of successful teaching experience, or related service provision, and appropriate disposition for advanced study in the administration of special education. Specific requirements for application are available from the Coordinator of the certificate program for Director of Special Education in the Department of Special Education.

Post-Master's Graduate Certificate for Director of Special Education Curriculum

Required graduate level courses include the following: SED 447 (3 hrs.), 502 (3 hrs.), 513 (3 hrs.), 517 (3 hrs.), 540 (3 hrs.), and 598.03.

Depending on students' demonstration for mastery of standards at the master's level, course work may include the following: SED 593.03 (1 hr.), 410, 422, and 454; EAF 410, 465, and 478.

A minimum of 24 graduate credit hours are required for this post-master's graduate certificate.

Master's Degree Program

Purpose of the Master's Degree in Special Education

A student may work toward a Master of Science or a Master of Science in Education degree by fulfilling the requirements specified in this catalog. The master's degree program prepares teachers to assume the advanced roles which special educators are called upon to fill. The core curriculum assures that all graduates of this degree program can successfully assume these roles at an advanced level as expressed in the National Board for Professional Teaching Standards which serve as a foundation for core courses.

Admission to the Master's Program

To be admitted to the master's degree program in Special Education, a student must have obtained a grade point average of 3.0 (on a scale where A equals 4.0) for the last 60 hours of undergraduate work or submit Graduate Record Examination scores for consideration. In addition, all students must submit an admission portfolio directly to the Department including evidence of all of the following: successful academic work in education, certification to teach, teaching experience, and appropriate disposition for advanced study in special education. Specific requirements for application are available from the Coordinator and on the department Web site.

The Master's Curriculum

All degree candidates must complete a minimum of 39 semester hours which includes:

- The core for this degree, which includes: EAF 410 or 415, SED 410, 422, 440, 448, and 454. Students successfully completing the core are considered to have Advanced Graduate status.
- An area of concentration or approved sequence of electives to be determined with the graduate advisor, including a minimum of 12 hours of graduate work.
- A pre-approved capstone research or application project including SED 482 and a minimum of 6 additional hours from SED 498 or SED 499. Students must have attained Advanced Graduate status to begin the capstone experience.

Candidates will prepare an individual student portfolio documenting that all requirements established in the Department of Special Education Performance-Based Assessment System have been successfully met. This documentation includes multiple measures of knowledge, performance, and disposition standards. A current listing of portfolio requirements can be obtained from the Department.

Graduate Certificates in Special Education

Admission to Graduate Certificate Programs

To be admitted to one or more graduate certificate programs in Special Education, a student must hold a bachelor's degree from an accredited university and a current Illinois teaching certificate

in special education or speech/language pathology. Prerequisite courses include survey of special education, educational assessment, and applied behavior analysis, OR these will be noted as deficiency courses that must be completed prior to completion of the certification program. Evidence of disposition for advanced study in the special education profession must be provided. Students entering the Deaf and Hard of Hearing Auditory/Oral Specialist program must have initial certification in deaf education or a degree in speech pathology or audiology. They are also required to have knowledge of sign language, at least at an introductory level. Specific requirements for application are available from the Coordinator and on the Department Web site.

Requirements

All graduate certificates: Students must maintain a 3.0 cumulative grade point and have a minimum grade of C in each required course. Performance-based portfolios are required.

Learning Behavior Specialist 2 Advanced Certificates

These programs lead to advanced certificates offered by the Illinois State Board of Education, as well as those awarded by the University.

Curriculum Adaptation Specialist (Prerequisites: SED 101, 145, or 411 or equivalent survey course. A minimum of 12 hours are required including SED 410, 422, 445, and 454. SED 410, 422, and 445 require application of knowledge and skills with appropriate student populations. Students may be required to have concurrent enrollment in SED 498 Professional Practice if not currently teaching in a setting that allows for application of these skills.

Behavior Intervention Specialist (Prerequisites: SED 101, 145, or 411 or equivalent survey course. A minimum of 15 hours are required including SED 410, 448, 454, 449, and 452. SED 448, 449, and 452 require application of knowledge and skills with appropriate student populations. Students may be required to have concurrent enrollment in SED 498 Professional Practice if not currently teaching in a setting that allows for application of these skills.

Technology Specialist (Prerequisites: SED 101, 145, or 411 or equivalent survey course.) A minimum of 9 hours are required including SED 377, 379, and 479. Students who have not completed Technology Passport requirements will also be required to complete C&I 401 or an equivalent course. SED 479 requires application of knowledge and skills with appropriate student populations. Students may be required to have concurrent enrollment in SED 498 Professional Practice if not currently teaching in a setting that allows for application of these skills.

Multiple Disabilities Specialist (Prerequisites: SED 101, 145, or 411 or equivalent survey course. SED 377 or equivalent communication course; SED 379 or equivalent assistive technology course.) A minimum of 9 hours are required including SED 448, 470, and 471. Some courses require application of knowledge and skills with appropriate student populations. Students may be required to have concurrent enrollment in SED 498 Professional Practice if not currently teaching in a setting that allows for application of these skills.

Transition Specialist (Prerequisite: SED 101, 145, or 411 or equivalent survey course.) A minimum of 12 hours are required including SED 451, 453, 455, and 457. Some courses require application of knowledge and skills with appropriate student

populations. Students may be required to have concurrent enrollment in SED 498 Professional Practice if not currently teaching in a setting that allows for application of these skills.

Other Graduate Certificates

The following program leads to an advanced certificate offered by the University; no certificate is currently available from the Illinois State Board of Education.

Deaf and Hard of Hearing Auditory/Oral Specialist
(Prerequisites: SED 101, 145, or 411 or equivalent survey course and an introductory knowledge of sign language.) A minimum of 12 hours are required including SED 402, 403, 404, and 405. Some courses require application of knowledge and skills with appropriate student populations; therefore, students will be required to enroll in 3-6 semester hours of SED 498 unless this requirement is specifically waived by the department.

Courses

340 THE DEVELOPMENT OF LANGUAGE IN STUDENTS WHO ARE DEAF AND HARD OF HEARING

3 sem. hr.

The study of the language development of children who are deaf and hard of hearing compared to normal language development.

350 INTRODUCTION TO VISUAL DISABILITIES

4 sem. hrs.

Impact of visual impairments on development; basic anatomy of the eye; types, causes, and educational implications of eye disorders; educational programming. Prerequisite: SED 101 or consent of department chair. Includes clinical experience approximately 10 hours, Type 1.

351 EDUCATION AND ASSESSMENT OF STUDENTS WITH VISUAL DISABILITIES

3 sem. hrs.

Application of educational diagnosis to educational programming and instruction of individuals with visual disabilities. Prerequisites: SED 350 and 356 or consent of department chair. Admission to Professional Studies.

352 BRAILLE READING AND WRITING

3 sem. hrs.

Preparation in reading and writing using the Braille Literary Code. Includes an introduction to Braille Textbook Format. Prerequisite: Consent of department chair. Materials charge optional.

353 EDUCATION OF STUDENTS WHO ARE DEAF AND HARD OF HEARING

3 sem. hrs.

Psychological, social, historical, and educational problems relating to education of individuals with hearing impairments. Prerequisite: SED 101 or 145. Includes clinical experience approximately 10 hours.

354 TEACHING LANGUAGE TO DEAF AND HARD OF HEARING STUDENTS

3 sem. hrs.

Principles and techniques of developing and teaching language to deaf and hard of hearing students at all grade levels, P-12. Prerequisites: SED 130, 230, 330, 353 or consent of department. Concurrent registration in SED 245.08 required. Admission to Professional Studies.

355 THE TEACHING OF SPEECH TO DEAF AND HARD OF HEARING STUDENTS

3 sem. hrs.

Principles and techniques of developing and teaching speech to hearing impaired students at all grade levels, P-12. Prerequisites: SED 354 and PAS 211 or consent of department. Concurrent registration in SED 245.09. Admission to Professional Studies.

356 ASSISTIVE AND INSTRUCTIONAL TECHNOLOGY FOR INDIVIDUALS WITH VISUAL IMPAIRMENTS

3 sem. hrs.

Preparation in reading and writing using Nemeth Code in teaching mathematics and communication skills to individuals with visual impairments. Prerequisites: SED 352. Admission to Professional Studies. Materials charge optional.

357 ORIENTATION AND MOBILITY FOR CLASSROOM TEACHERS

2 sem. hrs.

Practicum in basic daily living skills and rudimentary mobility techniques for individuals with visual disabilities. Prerequisite: Admission to Professional Studies.

358 READING AND LANGUAGE ARTS FOR STUDENTS WITH VISUAL DISABILITIES

3 sem. hrs.

Development of competencies to teach reading and language arts to students who use print, braille, and auditory media. Instructional techniques and materials emphasized. Prerequisites: SED 350 and 352 and C&I 220 and 303. Admission to Professional Studies.

359 TEACHING READING AND SCHOOL SUBJECTS TO DEAF AND HARD OF HEARING STUDENTS

3 sem. hrs.

Teaching reading and other core subjects to deaf and hard of hearing students at all grade levels. Prerequisite: SED 354. Concurrent registration in SED 245.10. Admission to Professional Studies.

373 FAMILY-PROFESSIONAL COLLABORATION

3 sem. hrs.

Theoretical and practical aspects of collaborating with families of individuals with disabilities. Prerequisites: SED 101 or 145 or consent of department chair.

374 EDUCATIONAL ASSESSMENT OF THE PRESCHOOL CHILD WITH DISABILITIES

3 sem. hrs.

Techniques and issues involved in gathering, analyzing and synthesizing data for developing and monitoring individualized programs for preschool children with disabilities. Prerequisites: SED 101 or 145 or consent of department chair.

375 ASSESSMENT AND PLANNING FOR DEAF AND HARD OF HEARING STUDENTS

3 sem. hrs.

Examines individual assessment tools and techniques appropriate for developing an individualized educational program for students who are deaf and hard of hearing. Prerequisite: SED 359 or concurrent registration.

377 COMMUNICATION STRATEGIES FOR INDIVIDUALS WITH DISABILITIES
3 sem. hrs.

Issues, intervention strategies, and technologies that can impact the communication skills of individuals with disabilities. Prerequisites: SED 101 or 145 or equivalent. Materials charge optional.

379 ASSISTIVE TECHNOLOGY FOR INDIVIDUALS WITH DISABILITIES
3 sem. hrs.

Overview of a wide range of assistive technology devices and services for individuals with disabilities. Demonstration of devices, laboratory experiences, and identification of funding sources. Prerequisite: SED 101 or 145 or equivalent or consent of instructor.

382 CHALLENGING BEHAVIOR: ANALYSIS AND INTERVENTION
3 sem. hrs.

Theoretical and practical application of functional behavior assessment and analysis, and functional, academic, and behavioral programming. Prerequisites: SED 204 or 370.

383 DEVELOPING AND IMPLEMENTING ALTERNATIVE CURRICULUM
3 sem. hrs.

Analysis and application of curricular approaches, curriculum content, instructional methodology, and organizational strategies that support learners who seek non-academic outcomes. Prerequisites: Admission to Professional Studies; SED 204 or concurrent registration; concurrent registration in SED 245.12.

384 STRATEGIES FOR ACCESSING THE GENERAL EDUCATION CURRICULUM
3 sem. hrs.

Analysis and application of curriculum, instruction, and organizational strategies effective for learners with disabilities who access general education curricula. Prerequisites: Concurrent registration in SED 245.13. Admission to Professional Studies.

386 EARLY INTERVENTION FOR INFANTS AND YOUNG CHILDREN WITH DISABILITIES
3 sem. hrs.

Curriculum and organization of service delivery for young children with disabilities. Emphasis on birth to eight years of age. Prerequisites: SED 101 or equivalent; SED 340 or 377; SED 374.

400 INDEPENDENT STUDY
1-4 sem. hrs.

Prerequisite: Consent of the department chairperson.

402 AURAL REHABILITATION FOR YOUNG CHILDREN WHO ARE DEAF AND HARD OF HEARING
3 sem. hrs.

Teacher's role in aural rehabilitation. Includes amplification and cochlear implant technologies as well as curriculum and intervention. Emphasis on birth-8 years. Prerequisites: Admission to Deaf and Hard of Hearing Auditory/Oral Specialist Graduate Certificate program or consent of department chair.

403 DEVELOPING ORAL COMMUNICATION IN YOUNG CHILDREN WHO ARE DEAF AND HARD OF HEARING
3 sem. hrs.

Advanced techniques and strategies for assessing and developing speech in the young child who is deaf. Emphasis on birth-8 years. Prerequisites: SED 402.

404 COLLABORATION AND CONSULTATION WITH FAMILIES AND PROFESSIONALS SERVING YOUNG CHILDREN WHO ARE DEAF AND HARD OF HEARING
3 sem. hrs.

Design of family-centered intervention with young children who are deaf. Emphasis on birth-8 years. Prerequisite: Admission to Deaf and Hard of Hearing Auditory/Oral Specialist Graduate Certificate program or consent of department chair.

405 AUDITORY/ORAL EDUCATIONAL METHODS FOR YOUNG CHILDREN WHO ARE DEAF AND HARD OF HEARING
3 sem. hrs.

Developmentally appropriate assessment, curriculum, and teaching techniques for home and classroom interventions with children who are deaf. Emphasis on birth-8 years. Prerequisites: SED 402 and 403.

410 EDUCATIONAL ASSESSMENT AND PLANNING FOR INDIVIDUALS WITH DISABILITIES
3 sem. hrs.

Assessment in the context of classrooms and educational systems with emphasis on determination of individual needs and development of plans to meet needs. Prerequisites: SED 101, 145, or 411 or equivalent.

411 SURVEY OF SPECIAL EDUCATION
3 sem. hrs.

Focus on the physiological, psychological, sociological and educational impact of disabilities on children, youth and adults. All areas of exceptionality studied.

422 TEACHING DIVERSE LEARNERS
3 sem. hrs.

Curriculum, instructional objectives, methods, learning strategies, and materials for education of students who require adaptations for learning. Prerequisites: SED 101, 145, or 411 or equivalent.

440 CONTEMPORARY ISSUES AND TRENDS IN SPECIAL EDUCATION
3 sem. hrs.

Advanced study of how knowledge in special education is created, organized, and linked to other disciplines through a critical review of current literature and research.

445 CURRICULUM DEVELOPMENT AND MODIFICATION FOR DIVERSE LEARNERS
3 sem. hrs.

Study of curriculum development, curricular modification and assessment of learning outcomes for students with disabilities and other special needs. Prerequisite: SED 101, 145, 411 or equivalent.

**446 SEMINAR IN SPECIAL EDUCATION
AND REHABILITATION**
2 sem. hrs.

Seminar in various areas of special education and rehabilitation.

**447 ADMINISTERING EDUCATIONAL
PROGRAMS FOR STUDENTS
WITH DISABILITIES**
3 sem. hrs.

Principles and problems involved in administration of educational programs for exceptional children. Also offered as EAF 447.

**448 APPLIED BEHAVIOR ANALYSIS:
CHANGING BEHAVIOR AND
LEARNING ENVIRONMENTS**
3 sem. hrs.

Functional assessment, analysis, and modification of environments through application of behavioral principles and development of positive support programs for students.

**449 TEACHING STUDENTS WITH EMOTIONAL
AND BEHAVIORAL DISABILITIES**
3 sem. hrs.

Provides preparation and practice in behavioral consultation and collaborative development of effective academic and behavior change programs in school and community settings. Prerequisites: SED 448 and 454.

**451 FACILITATING STUDENT-DIRECTED
TRANSITION PLANNING**
3 sem. hrs.

Focuses on strategies of self-determination, self-management, and student-directed activities and application to transition planning and implementation for youth with disabilities. Prerequisites: SED 101, 145, or 411 or equivalent.

**452 TEACHING AND SOLVING
BEHAVIORAL ISSUES IN
AUTISM SPECTRUM AND
RELATED BEHAVIORAL DISORDERS**
3 sem. hrs.

Foundation concepts of autism spectrum and related behavioral disorders including history, identification, assessment, and analysis of interventions. Prerequisite: SED 448.

**453 INTERAGENCY COMMUNITY AND
POSTSECONDARY SYSTEMS**
3 sem. hrs.

Strategies for effective transition planning and collaboration between community services and schools to achieve postsecondary education outcomes for individuals with disabilities. Prerequisites: SED 451.

**454 CONSULTATION AND COLLABORATION
IN SPECIAL AND GENERAL EDUCATION**
3 sem. hrs.

Provides preparation for effective consultation and collaboration between professionals, paraprofessionals, parents, and students.

**455 FACILITATING EMPLOYMENT OUTCOMES
FOR INDIVIDUALS WITH DISABILITIES**
3 sem. hrs.

Theory and practice related to career development, employment, and vocational models for adolescents and young adults with disabilities. Prerequisite: SED 451.

**457 FACILITATING SOCIAL, LEISURE, AND
INDEPENDENT LIVING OUTCOMES
FOR INDIVIDUALS WITH DISABILITIES**
3 sem. hrs.

Transition practices that promote successful outcomes for youth with disabilities in leisure, social, independent living, and community integration aspects of life. Prerequisite: SED 451.

**470 RESEARCH PRACTITIONER: MULTIPLE
DISABILITIES**
3 sem. hrs.

Practitioners as researchers with learners with multiple disabilities. Includes authentic assessment, curriculum development, social behavior interventions, and instructional adaptations. Prerequisites: SED 101, 145, or 411 or equivalent.

**471 ADDRESSING NEEDS OF LEARNERS
WITH PHYSICAL DISABILITIES
AND HEALTH IMPAIRMENTS**
3 sem. hrs.

Issues, practices, and methodology in school and community-based programs for individuals with physical disabilities and health impairments. Prerequisites: SED 101, 145, 411 or equivalent.

**479 ASSISTIVE TECHNOLOGY: ASSESSMENT
AND PROGRAM EVALUATION**
3 sem. hrs.

Assessment of assistive technology programs and the needs of individuals with disabilities for assistive technology, including software, hardware, and relationship to educational goals. Prerequisite: SED 379.

**482 SEMINAR IN SPECIAL EDUCATION
RESEARCH AND LEADERSHIP**
3 sem. hrs.

Analysis of professional literature and research in leadership areas. Development of professional portfolio with entries that demonstrate effective leadership and research practitioner skills. Prerequisites: Advanced graduate status.

498 PROFESSIONAL PRACTICE
1-12 sem. hrs.

Refer to General Courses.

499 MASTER'S THESIS
1-6 sem. hrs.

500 INDEPENDENT STUDY
1-4 sem. hrs.

Prerequisite: consent of department chairperson.

**502 LEGAL AND POLICY ISSUES AFFECTING
SPECIAL EDUCATION PROGRAM
ADMINISTRATION**
3 sem. hrs.

Overview of state and national policy and legal issues affecting special education programs administration. Prerequisite: Admission to doctoral or post-master's certificate program or consent of instructor.

**503 SEMINAR IN SPECIAL EDUCATION
PROGRAM DESIGN AND DEVELOPMENT**
3 sem. hrs.

Application of program design and development strategies in special education. Prerequisites: Advanced degree standing and consent of instructor.

512 SINGLE SUBJECT RESEARCH IN SPECIAL EDUCATION**3 sem. hrs.**

Provides advanced degree students with opportunities to acquire competencies in designing, conducting, analyzing, and reporting single subject research. Prerequisites: EAF 510. May be repeated with consent of instructor.

513 SEMINAR IN EVALUATION OF SPECIAL EDUCATION PROGRAMS**3 sem. hrs.**

Examination of theories, models, issues, and practices in conducting evaluations of special education programs. Evaluation project required. Prerequisites: 410 or equivalent.

514 PERSONNEL PREPARATION IN SPECIAL EDUCATION**3 sem. hrs.**

An introduction to processes and applied practice in curriculum development, instruction, supervision, advisement, evaluation, and professional development for preservice and inservice education in special education settings. Prerequisite: Advanced graduate standing.

515 SEMINAR IN SPECIAL EDUCATION RESEARCH**3 sem. hrs.**

In-depth study of research issues in special education for advanced graduate students, focusing on evaluating and synthesizing research.

516 DOCTORAL RESIDENT SEMINAR - PROFESSIONAL DEVELOPMENT**3 sem. hrs.**

Contemporary treatment of field issues and professional development needs for advanced resident graduate students in special education. Prerequisite: Admission to doctoral program in Special Education.

517 SPECIAL EDUCATION DIRECTORSHIP**3 sem. hrs.**

In-depth examination of roles and responsibilities of directors of special education within context of educational structures. Prerequisites: SED 447 and 502.

520 SEMINAR IN SPECIAL TOPICS IN SPECIAL EDUCATION**1-3 sem. hrs.**

In-depth study of specific topics in special education for advanced graduate students. May be repeated if content different.

522 GRANT WRITING IN EDUCATION**3 sem. hrs.**

Students will learn about the grant review process, how to identify funding sources for projects related to individuals with disabilities, and develop competitive grant proposals.

540 SEMINAR IN CONTEMPORARY TOPICS IN SPECIAL EDUCATION**3 sem. hrs.**

Contemporary topics related to issues of identification, assessment, intervention, and other problem areas. Prerequisites: SED 440 and/or consent of instructor.

579 ADVANCED TECHNOLOGICAL APPLICATIONS IN SPECIAL EDUCATION**3 sem. hrs.**

Advanced exploration of issues and trends related to professional preparation for assistive technology service delivery in public school settings.

593 RESIDENT SEMINAR**1 sem. hr.**

Contemporary treatment of field issues and professional development needs for advanced resident graduate students in Special Education. 593.03 Computer Applications in Special Education. Prerequisite: Admission to doctoral program in Special Education.

594 DISSERTATION PROPOSAL DEVELOPMENT**3 sem. hrs.**

Designed for dissertation proposal development for doctoral students. Emphasis on the design of a proposal for committee consideration.

598 PROFESSIONAL PRACTICE**1-12 sem. hrs.**

Provides doctoral students with an opportunity to integrate academic coursework with role expectations of professional personnel. Available as 598.01 Professional Practice in Teacher Preparation; 598.02 Professional Practice in Applied Research; and 598.03 Professional Practice in Program Administration. Prerequisites: Admission to Doctoral Program in Special Education.

599 DISSERTATION RESEARCH**Variable credit.**

Research relating to research requirements for Doctor of Education degrees. Approval of the chairperson of the department of the program in which the student is enrolled is required.



COLLEGE OF FINE ARTS

Interim Dean: James Major

116 Center for Visual Arts
www.illinoisstate.edu/finearts

The College of Fine Arts and its schools of Art, Music, and Theatre offer a variety of degree programs, sequences, and concentrations, including an interdisciplinary degree program in Arts Technology (see description below).

The purpose of the College's degree programs is to provide education for graduate and undergraduate students desiring professional careers in select areas of the arts and for students preparing to be elementary, secondary, and college teachers. The College offers graduate programs leading to the following:

Master of Science (M.S.) in art, theatre, or arts technology

Master of Arts (M.A.) in art or theatre

Master of Fine Arts (M.F.A.) in art or theatre

Master of Music (M.M.)

Master of Music Education (M.M.E.)

The degree programs provide a flexible curricula for a variety of student talents and research interests at the graduate level.

Program for Master of Science in Arts Technology

Program Director: Shari Zeck. Office: Center for the Visual Arts, Room 216D.

University Regulations

In addition to the requirements of the individual graduate program, all students are subject to University regulations detailed in the front of the Graduate Catalog. Below is a summary of the most commonly referenced regulations. To locate full details of each regulation, use the index at the end of the catalog.

Academic Good Standing: A 3.00 minimum cumulative graduate GPA is required for graduation and for all courses and activities that require good academic standing.

Course Numbering System, Course Offerings: Some 300- and 400-level courses will not count toward graduate degrees. Any 300-level courses not listed in the Graduate Catalog are undergraduate credit only, are not available for graduate credit. Courses numbered 399 and 429 may be taken for graduate credit but do not count toward a graduate degree.

Use of credit hours from the course group 393, 397, 400, 493, 498 toward a degree is limited. No more than 9 hours total from this group count toward the degree. No more than 6 of the 9 hours may come from 400. Review degree requirements and count previous hours taken from this group before enrolling, since once the limit is reached, no more hours from this group will apply toward the degree.

Use of thesis/dissertation hours toward a degree is limited.

Student-at-Large: Courses taken as a student-at-large do not count toward the degree unless recommended by the degree program. Limit of 12 hours.

Transfer of Credit: Transfer courses must meet university qualifications and be approved by the program and Graduate School. No transfer of the following: courses with grade lower than B, independent study, courses from non-

accredited universities, courses used toward another degree, courses over six years old when student first registered for the ISU degree program. No transfer of credit is counted toward 400-level hours requirement. Request for Transfer of Credit form is posted at www.grad.ilstu.edu/plans/.

Time Limitations: Degree completion is subject to university time limitations. Students who do not meet the time limit may be required to retake courses.

Readmission of Former Students: A lapse in registration of one calendar year or more requires application for readmission to the university.

Continuous Registration: Thesis and dissertation students must maintain continuous registration. Students generally enroll in 499 Master's Thesis or 599 Doctoral Dissertation. Under certain circumstances 499.01, 499.90, 599.01, or 599.90 may be appropriate.

The Master of Science in Arts Technology is a 39-hour interdisciplinary program in the College of Fine Arts that emphasizes theory, design, and practice in digital arts. The program provides critical training and experiences in arts technology to better prepare professional artists for the rapidly emerging need for training in digital art, computer graphics and theatre design, digital music and sound, multimedia, web design, and arts management.

Admission Requirements

Students who have maintained an average of 3.0 or more for the last 60 hours of undergraduate education and have a bachelor's degree are eligible for admission. Candidates will be expected to demonstrate artistic proficiency in at least one of the areas of art, music, or theatre with a major or minor in a fine arts area, professional equivalence in a fine arts area, or a willingness to complete undergraduate deficiencies in fine arts. Students are required to submit three recommendations if they are also applying for a graduate assistantship, a portfolio in their fine arts specialization including examples of arts technology work, and a writing sample. The recommendations, portfolio, and writing sample are submitted directly to the Program Director.

Academic Requirements

The 39 hours required for the degree are programmed as follows:

- Students must complete 9 hours from the arts technology core which includes ART/MUS/THE 469, and 6 hours from two different schools of ART/MUS/THE 480. Prerequisite to the core are ART/MUS/THE 350 and ART/MUS/THE 387. (ART/MUS/THE 387 may be taken concurrently with 469).
- Students must complete 12 hours of an arts technology emphasis. ART/MUS/THE 388, 301, 406, and 480 may be repeated with different topics or experiences.

Art and Theatre emphasis. In consultation with the program advisor, students will select 12 hours of study related to the visual arts from ART/ MUS/THE 387 and ART/MUS/THE 350; ART/THE 359; ART/MUS/THE 388; ART/MUS/THE 301; ART/MUS/THE 406; ART/MUS/THE 480; or other courses from Art, Music, or Theatre which make extensive application of computer technology as approved by the program advisor.

Music emphasis. In consultation with the program advisor, students will select study related to computer music applications to include 12 hours from ART/MUS/THE 387; ART/MUS/THE 350; MUS 353; MUS 354; ART/MUS/THE 388; ART/MUS/THE 301; ART/MUS/THE 406; ART/MUS/THE 480; or other courses from Art, Music, or Theatre that make extensive application of computer technology as approved by the program advisor.

- Students must select 9 hours of electives from related coursework outside of the fine arts or additional fine arts coursework in consultation with the program advisor.

- Students must complete 3 hours of an internship or professional practice experience in arts technology (ART/MUS/THE 498.09) and 6 hours of a directed project (ART/MUS/THE 490).

ART

119 Center for the Visual Arts, (309) 438-5621
www.cfa.ilstu.edu/art

School Director: Tony Crowley. Office: Center for the Visual Arts Room 119.

Graduate Faculty: S. Appel, W. Archer, P. Badani-Rosato, D. Barroqueiro, W. Beckner, J. Briggs, P. Bushell, J. Butler, A. Crowley, R. Finch, A. Fischer, L. Fisher, D. French, A. Friedman, A. Iorio, J. Johnson, M. Johnson, G. Justis, C. Kukla, J. Lee, A. Lermack, C. Lieberman, T. Lotz, J. Mai, R. McKinney, J. Miller, W. O'Donnell, M. Oresky, S. Rankin, S. Smelser, E. Stewart, J. Walker, M. Wille.

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Readmission of Former Students: A lapse in registration of one calendar year or more requires application for readmission to the university.

Continuous Registration: Thesis and dissertation students must maintain continuous registration. Students generally enroll in 499 Master's Thesis or 599 Doctoral Dissertation. Under certain circumstances 499.01, 499.90, 599.01, or 599.90 may be appropriate.

The School offers work leading to the following degrees: M.A., M.S., and M.F.A. General University requirements for degrees are described elsewhere in this catalog.

Master's Degree Programs (M.A./M.S.)

The Master of Arts or Master of Science degree in Art requires a minimum of 32 hours including a master's thesis and a comprehensive examination. A candidate for the degree must spend at least one full term in residence in order to qualify for the degree. A full term may be interpreted as one semester with a class load of 9-15 hours, or a summer session with a class load of 6-9 hours.

To enter one of the available master's options, the applicant must meet the minimum requirements of the Graduate School and pass a portfolio or application review in the School. (Portfolios and applications are to be sent to the Graduate Coordinator, c/o the School of Art.)

Students applying to Art Education are required to submit a portfolio containing (a) a statement of intent in applying, (b) official copies of undergraduate and graduate transcripts, (c) at least three examples of writing, (d) documents of independent accomplishments or professional activities, (e) examples of artwork and/or examples of work by the applicant's students, and (f) at least two letters of recommendation (to be sent directly to the Graduate Coordinator) by people familiar with the applicant's academic or professional performance.

Students applying to Visual Culture are required to submit an application containing (a) a statement of intent in applying, (b) official copies of undergraduate and graduate transcripts, (c) at least three papers illustrating research and writing skills, and (d) at least three letters of recommendation (to be sent directly to the Graduate Coordinator) by people familiar with the applicant's character and academic qualifications and potential.

Program Requirements

All students pursuing an M.A. or M.S. in Art must complete a core requirement of three courses: Art 475 Graduate Seminar in Visual Culture (3 hrs.), Art 478 Introduction to Critical Theory (3 hrs.), and Art 497 Introduction to Research Methodology (3 hrs.). Graduate students also select one of the following sequences, which have additional specified requirements.

Sequence in Art Education

The sequence in Art Education requires a minimum of 32 semester hours of graduate credit, a master's thesis, and a comprehensive examination. In addition to the core M.A. or M.S. requirements (ART 475, 478, and 497), the following courses are required:

401 Foundations of Art Education	3 hours
402 Issues in Art Education	3 hours
403 Curriculum in Art Education	3 hours
Art Education electives courses and/or Special Projects in Art Education	6 hours
Thesis.....	4-6 hours

The remaining courses may be chosen from a wide range of fields which are relevant to art or education and which reflect the student's interests. Some examples are an area of Studio Art, Visual Culture, Curriculum, Psychology, Special Education, Community Art Programs, and Humanities. Choices can be made in consultation with the graduate coordinator in the Art Education Sequence.

Sequence in Art Studio

New applications to this sequence are not being accepted.

Sequence in Visual Culture

The sequence in Visual Culture requires a minimum of 32 semester hours of graduate credit, a master's thesis, and a comprehensive examination. Only the M.A. is offered in the Visual Culture Sequence. Students who have not satisfied the language requirement for an M.A. before entering the program must do so by the commencement of the third semester (or, for part-time students, with the acquisition of the equivalent number of semester hours) while pursuing the program. It is expected that students in the Visual Culture Sequence will choose courses in consultation with the graduate coordinator in the Visual Culture Sequence. Additional coursework may be required of students with limited experience in art history. The following requirements are in addition to the core courses for the M.A. in Art. Of these 18 hours of coursework, at least 9 must be at the 400 level:

- At least 9 hours coursework in art history and/or visual culture
- At least 9 hours in related field(s) outside the School of Art (history, literature, anthropology, etc.)
- 4-6 hours of Thesis work (ART 499)

Master of Fine Arts (M.F.A.)

The Master of Fine Arts in Art is a 60-hour program that emphasizes both theory and practice in the production, history, and teaching of the visual arts. Candidates will be expected to demonstrate artistic proficiency in at least one of the following disciplines: painting, sculpture, printmaking, video, ceramics, metalwork and jewelry design, photography, drawing, or glass. Candidates will also be expected to demonstrate proficiency in written and oral communication.

Students may also engage in an internship or apprenticeship. This may take the form of a guided teaching experience or work in a professional area related to the student's area of interest. The exact nature of this experience will be worked out through counseling between the major adviser and the student and will be tai-

lored to best suit the needs of each student. This project will be subject to approval of the student's graduate committee.

The primary criterion in the evaluation of the student's final achievement is a demonstration of competency and intellectual maturity indicating proficiency in his/her area of the arts. To this end, the exit requirement will be a comprehensive exhibition of the student's visual work supported by a written project and an oral examination concerning the intellectual implications of the work. It should be understood that the accumulation of 60 semester credit hours is an important but secondary criterion in evaluating final achievement.

A typical program for the Master of Fine Arts degree will include at least 60 semester hours of graduate work beyond the bachelor's degree. These 60 hours are programmed as follows:

- A. At least 36 semester hours must be taken in the School of Art, of these at least 24 must be at the 400 level.
- B. At least 24 semester hours must be in the student's major studio area, of these at least 18 must be at the 400 level.
- C. At least 12 semester hours must be taken in art history, or nine hours may be taken in art history with three hours in related areas such as aesthetics, philosophy, or anthropology, or MFA Seminar.
- D. At least three hours of MFA Seminar. Taking the MFA Seminar under heading "C" does not substitute for this requirement.
- E. Six hours of 496 M.F.A. Exhibition and Supportive Statement. This will involve a comprehensive exhibition of studio work, an exhibition-related written project, and a comprehensive oral examination. A candidacy review must take place before a student can enroll in Art 496 or schedule the MFA exhibition and must include approval of proposal for the supportive statement.

The School reserves the right to keep examples of original work produced by graduate students for educational and archival purposes.

Concentration in Art Technology

Students who wish to augment their regular programs with computer-related knowledge and skills may pursue a special program leading to a concentration in art technology. The concentration is available to students in any of the School of Art's graduate programs: M.A., M.S. and M.F.A. To complete the concentration, the student should complete 9 hours from the following offerings (ART 359, ART 387, ART 388, ART 498), in addition to an exit project. The exit project may be performed in conjunction with a regular exit requirement in one of the School of Art's graduate programs.

Courses

301 COMPUTER ARTS APPLICATIONS

1 sem. hr.

Variable topic course that focuses on the application of computer software to solving studio, performance, and production problems in the arts. Prerequisite: Consent of instructor. May be repeated if content different. Also offered as MUS/THE 301.

302 GRAPHIC DESIGN FOR THE WEB

3 sem. hr.

Graphic Design studio course introducing students to the concerns and design issues appropriate to web environments. Prerequisites: Foundations Program in Art, ART 226, 227, and 326; graduate students must have consent of instructor.

307 ART FOR DIVERSE POPULATIONS**3 sem. hrs.**

Various approaches to the development and conduct of appropriate art experiences in school and community programs for the diverse individual. Prerequisite: C&I 250. Includes Clinical Experiences; 10 hrs.; Types 1-7, and 9.

309 PROFESSIONAL ART EDUCATION SEQUENCE**3 sem. hrs.**

Sequential semesters focus on art learning theory, teaching methodology, and pre-student teaching clinical experiences in Art Education K-12. Includes Clinical Experience: 20 hours. May include Clinical Experience: Types 1-4, 6 and 9. Prerequisites: ART 103, 104, 109; C or better in C&I 216 or concurrent registration; C or better in ART 201 and 211 or consent of School; complete all requirements for Admission to Professional Studies including passing all sections State of Illinois Basic Skills Test; Art Education majors only or consent of School. Must be repeated by Art Education major for total of 6 hours (2 consecutive semester sequences starting in fall).

313 LIFE DRAWING II**3 sem. hrs.**

Advanced study of the human figure as a motif in drawing, including emphasis on media and the content offiguration. Prerequisite: ART 214. Materials charge optional. May be repeated.

315 TOPICS IN GRAPHIC DESIGN**3 sem. hrs.**

Studio/seminar course covering special topics related to graphic design. May be repeated if content different. Prerequisite: ART 227.

324 METALWORK AND JEWELRY DESIGN III**3 sem. hrs.**

Advanced metalworking with an emphasis on volume and color, including raising, *repousse*, forging and various enameling technique. Prerequisites: ART 103, 104, 109, and 225. Materials charge optional. May be repeated.

325 ADVANCED METALWORK AND JEWELRY DESIGN**3 sem. hrs.**

Elaboration upon metalworking skills previously acquired, allowing development of a strong personal direction. Prerequisite: ART 103, 104, 109, 324, and consent of instructor. Materials charge optional. May be repeated.

326 GRAPHIC DESIGN III**3 sem. hrs.**

Transitional course using the skills, techniques, and concepts learned earlier; applying them to problems of contemporary expression. Preparation for study on independent basis. Prerequisites: ART 226, 227, and 231. Materials charge optional.

328 CERAMICS III**3 sem. hrs.**

Experiences in wheel and handbuilding processes with an emphasis on individual exploration of ideas through ceramic media. Prerequisite: ART 103, 104, 109, and 229. Materials charge optional. May be repeated.

331 ADVANCED DRAWING**1-3 sem. hrs.**

Transitional course using the skills, techniques, and concepts learned earlier, applying them to problems of contemporary expression. Preparation for study on independent basis. Prerequisite: Art 214. May be repeated.

332 SCULPTURE III**3 sem. hrs.**

Individualized problems exploring techniques, concepts encountered earlier, now applied to problems of contemporary expression. Preparation for study on independent basis. Prerequisites: ART 103, 104, 109, and 233. Materials charge optional. May be repeated.

333 TOPICS IN ADVANCED PHOTOGRAPHY**3 sem. hrs.**

Advanced photography course focusing on different topics each semester. Seminar format with topics relating to assigned studio work. Prerequisites: ART 103, 104, 109, 155, and 156; ART 236 or consent of instructor. May be repeated if content different.

335 PHOTOGRAPHY III**3 sem. hrs.**

Advanced problems in photography as an art form. Emphasis upon individual exploration of the medium. Prerequisite: ART 103, 104, 109, and 236. Materials charge optional. May be repeated.

336 GRAPHIC DESIGN IV**3 sem. hrs.**

Advanced studio work exploring design techniques applied to advertising, packaging and display media. Materials fee optional. Prerequisite: ART 326.

343 SOUND DESIGN 2: DIGITAL AUDIO**3 sem. hrs.**

Exploring the medium of computer-based audio and its relationship to artistic applications. Prerequisite: ART/MUS/THE 243 or consent of instructor. Also offered as MUS/THE 343.

344 WOOD II**3 sem. hrs.**

Studio exploration of wood as a medium of personal expression. Prerequisite: ART 234.

345 INTAGLIO II**3 sem. hrs.**

Further study of intaglio processes with greater emphasis on intaglio as an expressive medium. Introduction to color possibilities. Prerequisite: ART 103, 104, 109, and 245. Materials charge optional. May be repeated.

346 LITHOGRAPHY II**3 sem. hrs.**

Further study of lithographic processes with greater emphasis on lithography as an expressive medium. Introduction to color possibilities. Prerequisites: ART 103, 104, 109, and 246. Materials charge optional. May be repeated.

347 ADVANCED PRINTMAKING**3 sem. hrs.**

Advanced study of printmaking. Emphasis on contemporary printmaking issues related to content, directions in printmaking, exploration of all print media. Prerequisites: ART 345 and 246, or 346 and 245. Materials charge optional. May be repeated.

349 VISITING ARTIST SEMINAR**2 sem. hrs.**

A seminar-type class taught by visiting artists and members of the School of Art faculty, focusing upon contemporary issues of fine arts and the creative process. May be repeated.

**350 SOFTWARE DESIGN
IN THE ARTS II****3 sem. hrs.**

Designing online digital projects for the Internet which use Web and multimedia techniques to create aesthetic models for art, music, and theatre expression. Prerequisite: ART/MUS/THE 387 or consent of instructor. Also offered as MUS/THE 350.

351 SPECIAL PROJECTS IN ART**2-6 sem. hrs.**

Special projects in art or art education chosen by the student for advanced investigation with the approval of the instructor. May not duplicate existing courses. Consent of instructor required. May be repeated. Variable credit. Amount of performance per credit to be determined by contract with instructor. Materials charge optional.

**352 RENDERING FOR
INTERIOR DESIGNERS****3 sem. hrs.**

Perspective sketching and delineations of architectural interiors. Various media and application techniques will be stressed for professional results in presentations. Prerequisites: ART 103 and 104, or consent of instructor.

353 COMPUTER MUSIC NOTATION**3 sem. hrs.**

Study of computer-based music printing and an introduction to MIDI for note entry and proof reading of musical scores. Prerequisite: Consent of instructor. Also offered as MUS/THE 353.

**354 SEQUENCING AND
DIGITAL AUDIO****3 sem. hrs.**

Study of music synthesis through MIDI sequencers, digital sound editing and recording, and the integration of digital audio and MIDI. Prerequisite: Consent of instructor. Also offered as MUS/THE 354.

355 GLASS II**3 sem. hrs.**

Advanced class further exploring glass as an artist's material and addressing the application of color and "warm" glass processes. Prerequisite: ART 103, 104, 109, 255 and consent of instructor and School. Materials charge optional. May be repeated.

356 COLOR PHOTOGRAPHY**3 sem. hrs.**

An advanced class creating color photographs which addresses issues and theory in contemporary photography as a fine art. Prerequisite: ART 335 or consent of instructor. Materials charge optional.

357 INTEGRATED MEDIA II**3 sem. hrs.**

Advanced interdisciplinary course exploring mediated strategies in performance, site, and installation work. Includes theory and assigned studio work. Prerequisite: ART 284 or consent of instructor and School.

**359 COMPUTER-BASED ART
AND GRAPHIC DESIGN****3 sem. hrs.**

Application of advanced two- and three-dimensional graphics programs to solve creative problems in the visual and theatrical arts. Prerequisite: ART/MUS/THE 276 or consent of instructor. Also offered as THE 359. Materials charge optional.

361 PAINTING IV**3 sem. hrs.**

Transitional course. Students encouraged to explore personal directions in close consultation with instructor. Preparation for study on an independent basis. Prerequisites: ART 103, 104, 109, and 263. May be repeated.

362 AQUEOUS MEDIA**3 sem. hrs.**

Watercolor as an expressive medium. Techniques, study of masters of watercolor, emphasis on creating pictorial space by illusion, color and the use of transparency. Prerequisite: ART 261.

363 COLOR THEORY**3 sem. hrs.**

A practicum to give the studio art student a context of theoretical and historical color premises as a basis for making color-organized works. Discussion of student work, process, color-formed space and aesthetic analyses. Prerequisite: ART 261.

364 ADVANCED GROUP STUDIES IN GLASS**3 sem. hrs.**

A studio/seminar format class, dealing with image/object realization, and the development of greater verbal, written, and visual articulation skills. Prerequisites: ART 255 and 355, or consent of instructor. May be repeated.

366 ART OF THE ANCIENT NEAR EAST**3 sem. hrs.**

Art and architecture of early civilizations of Egypt, Mesopotamia, and peripheral areas from c. 8000 B.C. to c. 300 B.C. Prerequisites: ART 155, 156, 257, or consent of instructor and School.

367 GREEK ART**3 sem. hrs.**

Greek art and architecture from c. 1500 B.C. through the Hellenistic period. Prerequisites: ART 155, 156, 257, or consent of instructor and School.

368 ROMAN ART AND ARCHITECTURE**3 sem. hrs.**

Roman art and architecture in Italy and the provinces from the late Republic through the early fourth century A.D. Prerequisites: ART 155, 156, 257, or consent of instructor and School.

**369 HISTORY OF MEDIEVAL ART
AND ARCHITECTURE****3 sem. hrs.**

Art and architecture of Europe from circa A.D. 500 to the Renaissance. Prerequisite: ART 155, 156, 257, or consent of instructor and School.

372 MODERN ARCHITECTURE I**3 sem. hrs.**

European and American architecture from Industrial Revolution to the late 19th century. Prerequisite: ART 155, 156, 257, or consent of instructor and School.

373 MODERN ARCHITECTURE II
3 sem. hrs.

European and American architecture and its impact on the world from 1900 to the present. Prerequisites: ART 155, 156, 257, or consent of instructor and School.

**375 ITALIAN RENAISSANCE
 ART AND ARCHITECTURE**
3 sem. hrs.

Art and architecture from the late Middle Ages through the 16th century. Prerequisites: ART 155, 156, 257, or consent of instructor and School.

376 NORTHERN RENAISSANCE ART
3 sem. hrs.

Painting and sculpture in France, Flanders, and Germany from the late Middle Ages through the 16th century. Prerequisites: ART 155, 156, 257, or consent of instructor and School.

**377 BAROQUE AND ROCOCO ART
 AND ARCHITECTURE**
3 sem. hrs.

Art and architecture in Western Europe from the late 16th through the 18th century. Prerequisites: ART 155, 156, 257, or consent of instructor and School.

**378 EUROPEAN ART FROM ROMANTICISM
 THROUGH IMPRESSIONISM**
3 sem. hrs.

Art in Europe from the mid-18th century to c. 1885. Prerequisites: ART 155, 156, 257, or consent of instructor and School.

379 MODERN ART
3 sem. hrs.

Painting and sculpture in Europe and America from the late 19th century to 1970. Prerequisites: ART 155, 156, 257, or consent of instructor and School.

**380 ART IN THE UNITED STATES I:
 COLONIAL ERA TO THE EARLY REPUBLIC**
3 sem. hrs.

Art and architecture in North America that became the United States from c. 1600 to 1825. Prerequisites: ART 155, 156, 257, or consent of instructor and School.

**381 ART IN THE UNITED STATES II:
 ROMANTICISM TO EARLY MODERNISM**
3 sem. hrs.

Art and architecture in the United States from about 1825 to 1930. Prerequisites: ART 155, 156, 257, or consent of instructor and School.

**382 ART IN THE UNITED STATES III:
 FROM THE DEPRESSION TO 1970**
3 sem. hrs.

Complex artistic developments, especially in painting and sculpture, which occurred in American art from the Depression era to 1970. Prerequisites: ART 155, 156, 257, or consent of instructor and School.

383 HISTORY OF PHOTOGRAPHY
3 sem. hrs.

Important photographers and the major aesthetic and technical developments of photography from 1840 to the present. Prerequisites: ART 155, 156, 257, or consent of instructor and School.

**385 RECENT DEVELOPMENTS IN ART:
 1970 TO THE PRESENT**
3 sem. hrs.

An examination of major international visual artists and the role of public and private institutions within the contemporary arts world. Prerequisites: ART 155, 156, 257, or consent of instructor and School.

386 TOPICS IN ART HISTORY
3 sem. hrs.

Advanced course in the history of art focusing on different themes, periods, or issues each semester. Prerequisites: ART 155, 156, and 257, or consent of instructor. May be repeated if content different for maximum of 6 hours.

**387 SOFTWARE DESIGN
 IN THE ARTS**
3 sem. hrs.

Designing and programming microcomputer based software which solve particular applications problems in the fine arts. Prerequisite: Consent of instructor. Also offered as MUS 387 and THE 387. Materials charge optional.

**388 SELECTED TOPICS IN
 ARTS TECHNOLOGY**
3 sem. hrs.

Varied emphasis reflecting integration of computers with digital sound/graphic technologies and authoring tools for applications in the arts. May be repeated if content different. Prerequisite: ART 386 or consent of instructor. Also offered as MUS 388 and THE 388. Materials charge optional.

**401 FOUNDATIONS OF
 ART EDUCATION**
3 sem. hrs.

A study of the historical and philosophical foundations of art education.

402 ISSUES IN ART EDUCATION
3 sem. hrs.

Problems in art education from the point of view of research and critical inquiry. May be repeated once.

**403 CURRICULUM IN
 ART EDUCATION**
3 sem. hrs.

Examination of various art curriculum schemes K-14: philosophies, content, methods, research, and evaluation. Prerequisite: Teaching experience or consent of instructor.

405 CHILDREN'S ARTISTIC DEVELOPMENT
3 sem. hrs.

Historical and contemporary perspectives on children's artistic development, emphasizing children's artistic, intellectual, cultural, and aesthetic sensibilities. Prerequisites: PSY 110 or 111 or equivalent, or consent of instructor.

**406 COMPUTER PERFORMANCE
 ARTS STUDIO**
3 sem. hrs.

Creative and interdisciplinary experiences in solo and ensemble performance integrating computer technology with music, dance, performance art, or theatre production. Prerequisite: Consent of instructor. May be repeated if content different. Also offered as MUS/THE 406.

**428 INTEGRATING THE ARTS
ACROSS ELEMENTARY
AND MIDDLE-LEVEL
CURRICULUM**
3 sem. hrs.

Theoretical, practical, and experiential learning for integrating the arts across elementary and middle school curriculum. Prerequisite: Graduate standing in Art Education or Music Education or consent of instructor. Materials charge optional. Also offered as MUS 428.

444 PROBLEMS IN STUDIO WORK
2-6 sem. hrs.

Individual creative work in painting, sculpture, printmaking, ceramics, weaving, jewelry, design, photography, drawing, or glassblowing. May be repeated. Must have permission of instructor. Variable credit. Amount of performance per credit to be determined by contract with instructor. Materials charge optional.

451 SPECIAL PROJECTS IN ART
2-6 sem. hrs.

An individual project in a particular discipline—art education, an area of studio art, or art history—chosen and planned by the student with approval of qualified instructor. May be repeated if material covered is not duplicated. Variable credit. Amount of performance per credit to be determined by contract with instructor. Materials charge optional.

**469 DESIGN AND
AESTHETIC ISSUES IN
ARTS TECHNOLOGY**
3 sem. hrs.

Provides foundation for further graduate study in arts technology by introducing students to design and aesthetic issues related to multimedia and the digital arts. Prerequisite: Arts technology major or consent of instructor. Also offered as MUS/THE 469.

**475 GRADUATE SEMINAR IN
VISUAL CULTURE**
3 sem. hrs.

Intensive study of visual culture. Emphasis on original research and varied methodological approaches. Core course for M.A./M.S. in Art. Prerequisite: Graduate status and consent of instructor.

**478 INTRODUCTION TO
CRITICAL THEORY**
3 sem. hrs.

Introduction to critical theory in art. Emphasis on reading primary texts, analysis of critical writing, and independent research projects. Core course for M.A./M.S. in Art. Prerequisite: Graduate status and consent of instructor.

**480 ADVANCED COMPUTER
TOPICS IN ART**
3 sem. hrs.

Intensive study of an announced topic exploring mainstream and experimental computer issues related to the creation of art, graphics, animation, or video. Prerequisite: Arts Technology majors and ART, MUS, or THE 350 and 387; or consent of instructor. May be repeated if content different.

485 TOPICS IN VISUAL CULTURE
3 sem. hrs.

In-depth study of particular themes, periods, or issues in visual culture, determined by instructor. Prerequisite: Graduate standing and consent of instructor. May be repeated if content different for maximum of 6 hrs.

**490 DIRECTED PROJECTS IN ARTS
TECHNOLOGY**
1-6 sem. hrs.

Arts technology practicum for graduate students. Designed to integrate fine arts and technology skills in an intensive project environment. Prerequisite: Consent of arts technology program advisor. A maximum of 6 hours may be counted toward a master's degree. May be repeated for credit. Also offered as MUS/THE 490.

**491 INTERNSHIP IN COLLEGE
TEACHING IN ART**
3 sem. hrs.

Credit for the course is given in C&I (see C&I 491).

494 MFA SEMINAR
3 sem. hrs.

A forum for exploring, jointly, art-related ideas and issues relevant to the studio arts. Emphasis on analytical and writing skills. Prerequisite: MFA students in the visual arts, or consent of school director. May be repeated once for credit.

**495 GRADUATE SEMINAR
IN ART HISTORY**
3 sem. hrs.

Intensive study of an announced topic in art history with emphasis on methodology, original research and various art historical approaches. Prerequisites: Successful completion of at least one 300-level art history course and consent of instructor required. May be repeated if content differs.

**496 M.F.A. EXHIBITION AND
SUPPORTIVE STATEMENT**
1-6 sem. hrs.

Comprehensive exhibition of studio work, an exhibition-related written project, and a comprehensive oral examination. M.F.A.s only.

**497 INTRODUCTION TO RESEARCH
METHODOLOGY**
3 sem. hrs.

Introduction and survey of bibliography, methods of scholarly research, and critical evaluation of research and writings in the field. Core course for M.A./M.S. in Art.

**498 INTERNSHIP/COOPERATIVE
EDUCATION IN ART**
1-6 sem. hrs.

Refer to General Courses.

499 MASTER'S THESIS
1-6 sem. hrs.

MUSIC (MUS)

230 Centennial East, (309) 438-7631
www.cfa.ilstu.edu/music

School Director: Stephen Parsons. Office: Centennial East 230.

Graduate Program Director: Angelo Favis.

Graduate Faculty: A. Aduonum, D. Belongia, G. Block, P. Borg, K. Carlson, D. Collier, M. Dicker, M. DiGiammarino, A. Favis, T. Fredstrom, S. Gentry, S. Graham, D. Gresham, C. Hollingsworth, M. Horst, J. Koch, W. Koehler, M. Labonville, A. Larsen, A. Major, J. Major, T. Marko, R. Marshack, K. McCord, C. Morenus, J. Neisler, P. Nolen, S. Parsons, A. Ransom, K. Risinger, C. Ropp, M. Smith, D. Snyder, S. Steele, T. Tonnu, M. Vought.

University Regulations

In addition to the requirements of the individual graduate program, all students are subject to University regulations detailed in the front of the Graduate Catalog. Below is a summary of the most commonly referenced regulations. To locate full details of each regulation, use the index at the end of the catalog.

Academic Good Standing: A 3.00 minimum cumulative graduate GPA is required for graduation and for all courses and activities that require good academic standing.

Course Numbering System, Course Offerings: Some 300- and 400-level courses will not count toward graduate degrees. Any 300-level courses not listed in the Graduate Catalog are undergraduate credit only, are not available for graduate credit. Courses numbered 399 and 429 may be taken for graduate credit but do not count toward a graduate degree.

Use of credit hours from the course group 393, 397, 400, 493, 498 toward a degree is limited. No more than 9 hours total from this group count toward the degree. No more than 6 of the 9 hours may come from 400. Review degree requirements and count previous hours taken from this group before enrolling, since once the limit is reached, no more hours from this group will apply toward the degree.

Use of thesis/dissertation hours toward a degree is limited.

Student-at-Large: Courses taken as a student-at-large do not count toward the degree unless recommended by the degree program. Limit of 12 hours.

Transfer of Credit: Transfer courses must meet university qualifications and be approved by the program and Graduate School. No transfer of the following: courses with grade lower than B, independent study, courses from non-accredited universities, courses used toward another degree, courses over six years old when student first registered for the ISU degree program. No transfer of credit is counted toward 400-level hours requirement. Request for Transfer of Credit form is posted at www.grad.ilstu.edu/plans/.

Time Limitations: Degree completion is subject to university time limitations. Students who do not meet the time limit may be required to retake courses.

Readmission of Former Students: A lapse in registration of one calendar year or more requires application for readmission to the university.

Continuous Registration: Thesis and dissertation students must maintain continuous registration. Students gen-

erally enroll in 499 Master's Thesis or 599 Doctoral Dissertation. Under certain circumstances 499.01, 499.90, 599.01, or 599.90 may be appropriate.

Two graduate degrees are offered by the School of Music: the Master of Music Education and the Master of Music. The Master of Music degree includes four sequences: Composition, Conducting, Music Therapy, and Performance.

General Admission Requirements

For all degrees, admission to master's degree programs requires a bachelor's degree in music or the equivalent and a minimum undergraduate GPA of 2.8 for the last 60 hours of undergraduate enrollment. Candidates must submit a placement credential file OR three letters of recommendation directly to the School of Music. In addition, all candidates must present a live or recorded performance audition. Auditions recorded on CD, DVD, or videotape are acceptable for admission. Conducting Sequence candidates are strongly encouraged to audition in person and to spend a day on campus visiting ensembles, classes, and campus offices. Telephone/personal interviews with faculty in the applicant's degree program are required. The GRE is not required.

Additional Admission Requirements by Degree and Sequence

Master of Music Education

This degree program requires an undergraduate degree in music education or equivalent, a copy of teacher's certification OR written evidence of teaching ability and a projected date for completion of certification, a recorded or live entrance audition, and an on-campus or telephone interview with music education faculty.

Entrance into the M.M.Ed. degree requires that the student has completed or will complete equivalency requirements for teacher certification. Students with an undergraduate degree in music may complete the M.M.Ed. while simultaneously completing the requirements for certification.

Master of Music

Music Therapy Sequence: An undergraduate degree in music is required, as well as a 250-word comprehensive biographical statement and recorded or live entrance audition.

Entrance into the Music Therapy sequence requires that the student has completed or will complete equivalency requirements for music therapy certification. Equivalency includes a degree in music and the following: MUS 194, 294, 298.01 (4 hrs.), 340, 341, 360, 398. Depending upon the student's undergraduate studies, some may need to take one or more of the following: MUS 117, 118, 122.30, 126, 298.01, 398; and PSI 110, 213, 346, 350.

Composition Sequence: Required for admission to the sequence are two examples of recent compositions, a recorded or live entrance audition, and an on-campus or telephone interview with music composition faculty.

Curriculum Requirements

Graduate Placement Examinations: During the first week of enrollment, all new graduate music students must take placement examinations in music theory and music history/literature. Students who do not pass or do not take the Graduate Placement Exam in Music History during the first semester of enrollment must enroll in MUS 253 and/or 254. Students who do not pass or do not take the Graduate Placement Exam in Music Theory during the first semester of enrollment must enroll in courses to be determined by the Music Theory faculty.

Ensemble Requirement: All Music graduate students who are full-time and in-residence Music majors are required to enroll and perform in a faculty-conducted ensemble for a minimum of two semesters. The choice of ensemble must be approved by the ensemble director and the applied studio faculty. Additional ensembles may be taken with the approval of the ensemble director, the applied faculty, and the Music Graduate Coordinator. The ensemble requirement may be waived for summers-only students or part-time students with the approval of the advisor and the Graduate Coordinator. All graduate assistants must be enrolled in a major ensemble related to their primary applied area each semester that they hold an assistantship.

Chamber Music: All students pursuing the M.M. Performance Sequence are encouraged to enroll in a Chamber Music Ensemble (MUS 439 or 483) for a minimum of one semester.

Master of Music Education is a 32- or 34-hour program, depending on choice of exit requirement. Required are the following: MUS 452, 459, 470, 471, 472, 473; two semesters of ensemble selected from MUS 365, 439.70, 439.71, 439.90, 481.05, 481.06 (01), 481.06 (02), 482, 484, 486, and 488; 12 hours of electives in a cognate field, which may be approved by the M.M.Ed. advisor and the Music Graduate Coordinator. Electives may include, but are not limited to, applied music, music education, conducting, jazz, special education, music technology, theory/composition, music history/literature, and music therapy.

Exit requirements for the M.M.Ed. include a written comprehensive examination and one of the following: a 4-hour thesis (MUS 499), a 2-hour professional practice music education project (MUS 498.01), or 4 additional hours to complete a non-thesis/project degree.

This degree has a Summers-Only Plan of Study available. The ensemble requirement may be waived for summers-only students or part-time students with the approval of the advisor and the Music Graduate Program Director.

Master of Music is a 32 - 36 hour program, depending upon the sequence chosen.

Collaborative Piano Sequence (35 hrs.) Required are 12 hours of applied music courses (MUS 440); 2 hours of chamber music (MUS 439.30); MUS 407, 452, 457; 9 hours of electives in a cognate music field, which may be selected from but are not limited to, the following: non-degree recitals, music technology, music history, music theory, music education, music therapy, music business, applied music, jazz studies, ensembles, and non-music courses. Also required are two semesters of ensemble, selected from MUS 365, 439.70, 439.90, 481.05, 481.06 (01), 482, 484, 486, and 488. Ensembles may be repeated.

Exit requirements for the Collaborative Piano Sequence include a written comprehensive examination and one recital (MUS 496). The comprehensive exam must be taken in the semester during which the student will graduate.

Conducting Sequence (35 hrs.) Required are 12 hours applied conducting (MUS 430); 2 hours of conducting practicum (MUS 495); MUS 407, 452, 457; and 9 hours of electives in a cognate music field, which may be selected from, but are not limited to, the following: non-degree recitals, music technology, music history, music theory, music education, music therapy, music business, applied music, jazz studies, ensembles, and non-music courses. Also required are 2 semesters of ensemble, selected from MUS 365, 439.70, 439.85, 439.90, 481.05, 481.06 (01), 482 and 484 (MUS 439.71 and 488 may satisfy the requirement with the permission of the Choral Department). Applied conducting, ensembles, and non-degree recitals may be repeated.

Exit requirements for the Conducting Sequence include a written comprehensive examination and one graduate recital (MUS 496). The comprehensive exam must be taken during the semester in which the student will graduate.

Performance Sequence (35 hrs.) Required are 12 hours of applied music courses on the major instrument (MUS 430-438 or 440); 2 hours of music pedagogy and literature courses (MUS 330); MUS 407, 452, 457; 9 hours of electives in a cognate music field, which may be selected from, but are not limited to, the following: Non-degree recitals, music technology, music history, music theory, music education, music therapy, music business, applied music, jazz studies, ensembles, and non-music courses. Also required are two semesters of ensemble, selected from MUS 365, 439.70, 439.85, 439.90, 481.05, 481.06 (01), 482, 484, and 486 (MUS 439.71 and 488 may satisfy the requirement with the permission of the Choral Department). Ensembles may be repeated.

Exit requirements for the Performance Sequence include a written comprehensive examination and one recital (MUS 496). The comprehensive exam must be taken in the semester during which the student will graduate.

Music Therapy Sequence (35-36 hrs.) Required are MUS 442, 443, 444, 452, 459, 498.10; music elective (3 hours); two semesters of ensemble selected from 365, 439.70, 439.71, 439.85, 439.90, 481.05, 481.06 (01), 481.06 (02), 482, 484, 486, and 488; 12 hours of 300/400 level courses in concentrations such as psychology, education, gerontology, and arts technology, or others designed by student with music therapy faculty approval.

Exit requirements for the Music Therapy Sequence include a written comprehensive examination and either 4 hours of thesis (MUS 499) or 3 hours of a professional practice clinical music therapy project (MUS 498.12).

Composition Sequence (34 hrs.) Required are MUS 303, 304, 402, 452, and 457; three semesters of 405; two courses selected from 354, 355, 356, 387, 391, 392, 394, 395, 396, and 451; two semesters of ensemble selected from 365, 439.70, 439.80, 439.85, 439.90, 481.05, 481.06 (01), 481.06 (02), 484, 486, and 488.

Exit requirements for the Composition Sequence include a written comprehensive examination and 4 hours of an Exit Composition (MUS 499).

International Students

Please refer to the international student admissions requirements elsewhere in this catalog.

Academic Adviser

All new graduate students must meet with the Music Graduate Program Director/Graduate Adviser during the first two weeks of their first semester and submit a Plan of Study, which is a requirement for degree completion.

Courses

301 COMPUTER ARTS APPLICATIONS

1 sem. hrs.

Variable topic course that focuses on the application of computer software to solving studio, performance, and production problems in the arts. Prerequisite: Consent of instructor. May be repeated if content different. Also offered as ART/THE 301.

303 COUNTERPOINT

2 sem. hrs.

Introduction to counterpoint in Renaissance (16th century) and Baroque (18th century) styles. Prerequisites: MUS 201 and 207 or consent of instructor.

304 ORCHESTRATION

2 sem. hrs.

Introduction to writing for ensembles of strings, winds, percussion, or voices. Prerequisites: MUS 201 and 207 or consent of instructor.

308 ORFF LEVEL I

3 sem. hrs.

This course prepares teachers and therapists in the basic Orff approach. Prerequisite: Music Education or Music Therapy seniors or graduate students; elementary education, dance education with consent of instructor.

330 PEDAGOGY AND LITERATURE

1-2 sem. hrs.

Methods of teaching, class and individual instruction; emphasis on technique and a comparison of various teaching procedures. Survey of important literature and composers for each medium. Brass, woodwind, percussion, voice, strings, piano, organ, guitar, jazz. May be repeated. More than one area may be taken concurrently.

340 INFLUENCE OF MUSIC UPON BEHAVIOR

3 sem. hrs.

A study of the cultural, physiological, and psychological aspects of music with applications to the music therapy field. Prerequisite: Consent of instructor.

341 MUSIC IN THERAPY

3 sem. hrs.

A study of the theory, current practices, and research in the field of music therapy. Prerequisite: MUS 340 or consent of instructor.

343 SOUND DESIGN 2: DIGITAL AUDIO

3 sem. hrs.

Exploring the medium of computer-based audio and its relationship to artistic applications. Prerequisite: ART/MUS/THE 243 or consent of instructor. Also offered as ART/THE 343.

350 SOFTWARE DESIGN IN THE ARTS II

3 sem. hrs.

Designing online digital projects for the Internet which use Web and multimedia techniques to create aesthetic models for art, music, and theatre expression. Prerequisite: ART/MUS/THE 387 or consent of instructor. Also offered as ART/THE 350.

353 COMPUTER MUSIC NOTATION

3 sem. hrs.

Comparative study of computer-based music notation software using MIDI and other note entry systems for printing musical scores. Prerequisite: Consent of instructor. Also offered as ART/THE 353.

354 SEQUENCING AND DIGITAL AUDIO

3 sem. hrs.

Study of music synthesis through MIDI sequencers, digital sound editing and recording, and the integration of digital audio and MIDI. Prerequisite: Consent of instructor. Also offered as ART/THE 354.

355 MUSICAL GENRES

3 sem. hrs.

Survey and analysis of representative examples of major genres of Western Music. Topics: .01 Symphonic Music; .02 Opera; .03 Chamber Music; .04 Choral Music. Prerequisites: MUS 253 and 254, or equivalent. May be repeated if content different.

356 MUSIC AND SOCIETIES

3 sem. hrs.

Studies of the relationship and contributions of music and musicians to the societies in which they live. Topics: .01: Introduction to Ethnomusicology; .02: Women in Music: Cross-Cultural Perspectives. Prerequisite: MUS 253 and 254, or equivalent. May be repeated if content different.

360 INTRODUCTION TO PSYCHOMUSICOLOGY

3 sem. hrs.

An introduction to the psychology of music behavior and cognition. Topics include music perception, memory, and learning and their relation to the sensory, formal, and expressive properties of music.

365 OPERA PRACTICUM

1 sem. hr.

Experience in opera/musical theatre staging and performance. Work ranging from set construction to leading roles. Prerequisite: By audition/consent of instructor. May be repeated.

371 MUSIC FOR THE EXCEPTIONAL CHILD

3 sem. hrs.

Trends in music education for exceptional children. Techniques and materials for a functional program of singing, playing, listening, and creative activities.

387 SOFTWARE DESIGN IN THE ARTS

3 sem. hrs.

Designing and programming microcomputer based software which solve particular applications problems in the fine arts. Prerequisite: Consent of instructor. Also offered as ART 387 and THE 387. Materials charge optional.

**388 SELECTED TOPICS IN
ARTS TECHNOLOGY**
3 sem. hrs.

Varied emphasis reflecting integration of computers with digital sound/graphic technologies and authoring tools for applications in the arts. May be repeated if content different. Prerequisite: MUS 386 or consent of instructor. Also offered as ART 388 and THE 388. Materials charge optional.

**391 MUSICAL STYLES OF THE
RENAISSANCE PERIOD**
3 sem. hrs.

An analytical inquiry into the compositional techniques evidenced in selected, representative works by major composers of the period. Prerequisite: MUS 253 or graduate standing.

**392 MUSICAL STYLES OF THE
BAROQUE PERIOD**
3 sem. hrs.

An analytical inquiry into the compositional techniques evidenced in selected, representative works by major composers of the period. Prerequisite: MUS 253 or graduate standing.

**394 MUSICAL STYLES OF THE
CLASSICAL PERIOD**
3 sem. hrs.

An analytical inquiry into the compositional techniques evidenced in selected, representative works by major composers of the period. Prerequisite: MUS 254 or graduate standing.

**395 MUSICAL STYLES OF THE
ROMANTIC PERIOD**
3 sem. hrs.

An analytical inquiry into the compositional techniques evidenced in selected, representative works by major composers of the period. Prerequisite: MUS 254 or graduate standing.

**396 MUSICAL STYLES OF THE
TWENTIETH CENTURY**
3 sem. hrs.

An analytical inquiry into the compositional techniques evidenced in selected, representative works by major composers of the period. Prerequisite: MUS 254 or graduate standing.

402 CURRENT ANALYTICAL TECHNIQUES
3 sem. hrs.

Study and application of analysis systems including those of Schenker, Hindemith, information theory, set theory, and computer analysis. Prerequisite: Acceptable proficiency on graduate theory placement examination.

405 COMPOSITION
3 sem. hrs.

Advanced individual study and direction in music composition at the graduate level. Prerequisite: Composition graduate students or consent of instructor. May be repeated if content different.

**406 COMPUTER PERFORMANCE
ARTS STUDIO**
3 sem. hrs.

Creative and interdisciplinary experiences in solo and ensemble performance integrating computer technology with music, dance, performance art, or theatre production. Prerequisite: Consent of instructor. Also offered as ART/THE 406.

407 ANALYSIS FOR PERFORMERS
3 sem. hrs.

Survey of contemporary approaches to music analysis with emphasis on performance applications. Prerequisite: Acceptable proficiency on theory placement examination.

421 TRENDS IN GENERAL MUSIC
2 sem. hrs.

Best practices in elementary general music, including teaching methods, resources and materials, and assessment. Prerequisite: Undergraduate course in elementary general music methods.

425 GROUP PIANO PEDAGOGY
3 sem. hrs.

Methods and materials for group piano instruction with emphasis on texts, teaching strategies, and current technologies. Prerequisite: Consent of instructor.

**428 INTEGRATING THE ARTS ACROSS
ELEMENTARY AND MIDDLE-LEVEL
CURRICULUM**
3 sem. hrs.

Theoretical, practical, and experiential learning for integrating the arts across elementary and middle school curriculum. Prerequisite: Graduate standing in Art Education or Music Education or consent of instructor. Materials charge optional. Also offered as ART 428.

**430-432,
434-438, 440 APPLIED MUSIC**
2 or 3 sem. hrs.

Advanced individual study and direction in music performance at the graduate level. 430 Conducting, 431 Brass, 432.10 Harp, 434 Percussion, 435 Piano, 436 Strings, 436.80 Guitar, 437 Voice, 438 Woodwinds, 440 Piano accompanying. May be repeated for credit. Permission to enroll must be obtained from appropriate coordinator. May be repeated.

**439 GRADUATE CHAMBER
MUSIC ENSEMBLE**
1 sem. hr.

Study and performance of chamber music in any suitable combination of instruments or voices. Prerequisite: audition and consent of instructor. May be repeated if content different.

**442 CURRENT TRENDS AND ISSUES IN
MUSIC THERAPY**
3 sem. hr.

Analyzing music therapy literature and on-line sources to identify current trends and issues in music therapy.

**443 APPLYING COUNSELING APPROACHES
IN MUSIC THERAPY**
3 sem. hr.

Applying psychoanalytic, humanistic, behavioral, cognitive, and other counseling approaches in music therapy. Prerequisite: MUS 194 and 294 or consent of instructor.

**444 MUSIC THERAPY
TEACHING, ADMINISTRATION,
AND SUPERVISION**
2 sem. hr.

Teaching, administration, and clinical supervision issues in music therapy. Prerequisites: MUS 194, 294, and 298.01 or 498.02; or consent of instructor.

**451 SELECTED TOPICS
IN MUSICOLOGY**
3 sem. hrs.

A variable content course covering the music of a composer, a country, a style, a medium, a genre. May be repeated for credit with different content; maximum of nine hours to be counted toward a degree. May be repeated if content different.

452 MUSIC SINCE 1950
3 sem. hrs.

Study of musical developments, trends, and styles since 1950 and their interactions. Prerequisite: Pass Graduate Entrance Exam in Music History.

**457 MUSIC RESEARCH: SOURCES
AND METHODS**
3 sem. hrs.

Critical examination of musical source materials, survey of research practices in music and practice in writing about music.

**459 APPLICATION OF SYSTEMATIC
RESEARCH METHODS TO MUSIC**
3 sem. hrs.

Systematic research methods in music applied to individualized descriptive and experimental music research topics and critical evaluation of music research.

**469 DESIGN AND AESTHETIC ISSUES IN
ARTS TECHNOLOGY**
3 sem. hrs.

Provides foundation for further graduate study in arts technology by introducing students to design and aesthetic issues related to multimedia and the digital arts. Prerequisite: Arts technology major or consent of instructor. Also offered as ART/THE 469. May be repeated if content different.

**470 FOUNDATIONS OF AMERICAN
MUSIC EDUCATION**
2 sem. hrs.

Sociological and philosophical evolution in music education. Development of familiarity with the literature and investigative skills in the discipline.

**471 MEASURING AND EVALUATING
MUSIC BEHAVIOR**
2 sem. hrs.

Study of measurement theory, standardized tests, test construction and interpretation. Measurement of music aptitude, achievement, performance, aesthetic response, preference, appreciation.

**472 SIGNIFICANT DEVELOPMENTS
IN MUSIC EDUCATION CURRICULA**
3 sem. hrs.

Study of catalysts for curricular change throughout all aspects of music education. Reform, content and objectives, evaluation, human rights, technology.

**473 PSYCHOLOGY OF
MUSIC LEARNING**
3 sem. hrs.

Detailed study of topics concerning differential music behavior and perception. Includes the mechanics of hearing, music memory, learning, and responses.

**480 ADVANCED COMPUTER
TOPICS IN MUSIC**
3 sem. hrs.

Intensive study of an announced topic exploring mainstream and experimental computer issues related to the creation of digital, MIDI, and notational representations of music. Prerequisites: ART, MUS, or THE 350 and 387, or consent of instructor; Arts Technology major. May be repeated if content differs.

481-488 PERFORMING ORGANIZATIONS
1 sem. hr.

Participation at the graduate level in the major organizations: Wind Symphony, Concert, University, or Marching Band, 481; Symphony Orchestra, 482; Chamber Wind Ensemble, 483; Concert Choir, 484; Women's Choir, 486; Civic Chorale, 488. May be repeated for credit.

**490 DIRECTED PROJECTS IN
ARTS TECHNOLOGY**
1-6 sem. hrs.

Arts technology practicum for graduate students. Designed to integrate fine arts and technology skills in an intensive project environment. Prerequisite: Consent of arts technology program advisor. A maximum of 6 hours may be counted toward a master's degree. May be repeated for credit. Also offered as ART/THE 490.

**491 INTERNSHIP IN COLLEGE
TEACHING IN MUSIC**
3 sem. hrs.

Credit for the course is given in C&I (see C&I 491).

**495 PRACTICUM IN
CONDUCTING**
2 sem. hrs.

An inservice conducting experience with community and university ensembles for graduate students involved in applied conducting. May be repeated for credit; maximum of nine hours to be counted toward a degree. Prerequisite: Applied Conducting, MUS 430.

496 GRADUATE RECITAL
1 sem. hr.

A public performance in the student's principal applied area of instruction. Course may be repeated once. Consent of Graduate Adviser required.

**498 PROFESSIONAL PRACTICE
IN MUSIC**
1-3 sem. hrs.

Provides graduate students with the opportunity to obtain supervised work experience in music. Available as 498.01 Music Education, 498.02 Music Therapy Internship (1 sem. hr.; may be repeated for maximum of 4 hrs.), 498.03 Music Business (1-3 sem. hrs.), 498.04 Music Performance (1-3 sem. hrs.), 498.10 Music Therapy Supervision (1 sem. hr), or 498.12 Music Therapy Clinical Project (3 sem. hrs.; MUS 398 and project committee consent are prerequisites for MUS 498.12). Refer to General Courses. May be repeated if content different.

499 MASTER'S THESIS
1-6 sem. hrs.

THEATRE (THE)

212 Centennial West, (309) 438-8783
www.cfa.ilstu.edu/theatre

School Director: John Poole. Office: Centennial West 212.

Graduate Program Director: Julie Mack.

Graduate Faculty: L. Adams, D. Alley, D. Browder, C. Brown, P. Dennhardt, J. Evans, L. Gordon, A. Haugo, D. LaCasse, C. Lowell, L. Lowell, J. Mack, C. Marino, J. McLaughlin-Gray, L. Orr, A. Paolucci, K. Pereira, J. Poole, S. Semonis, J. Stark, L. Thompson-Merriman, M. Vetere, L. Walden, J. Wilson, S. Zeck, S. Zielinski.

University Regulations

In addition to the requirements of the individual graduate program, all students are subject to University regulations detailed in the front of the Graduate Catalog. Below is a summary of the most commonly referenced regulations. To locate full details of each regulation, use the index at the end of the catalog.

Academic Good Standing: A 3.00 minimum cumulative graduate GPA is required for graduation and for all courses and activities that require good academic standing.

Course Numbering System, Course Offerings: Some 300- and 400-level courses will not count toward graduate degrees. Any 300-level courses not listed in the Graduate Catalog are undergraduate credit only, are not available for graduate credit. Courses numbered 399 and 429 may be taken for graduate credit but do not count toward a graduate degree.

Use of credit hours from the course group 393, 397, 400, 493, 498 toward a degree is limited. No more than 9 hours total from this group count toward the degree. No more than 6 of the 9 hours may come from 400. Review degree requirements and count previous hours taken from this group before enrolling, since once the limit is reached, no more hours from this group will apply toward the degree.

Use of thesis/dissertation hours toward a degree is limited.

Student-at-Large: Courses taken as a student-at-large do not count toward the degree unless recommended by the degree program. Limit of 12 hours.

Transfer of Credit: Transfer courses must meet university qualifications and be approved by the program and Graduate School. No transfer of the following: courses with grade lower than B, independent study, courses from non-accredited universities, courses used toward another degree, courses over six years old when student first registered for the ISU degree program. No transfer of credit is counted toward 400-level hours requirement. Request for Transfer of Credit form is posted at www.grad.ilstu.edu/plans/.

Time Limitations: Degree completion is subject to university time limitations. Students who do not meet the time limit may be required to retake courses.

Readmission of Former Students: A lapse in registration of one calendar year or more requires application for readmission to the university.

Continuous Registration: Thesis and dissertation students must maintain continuous registration. Students generally enroll in 499 Master's Thesis or 599 Doctoral Dissertation. Under certain circumstances 499.01, 499.90, 599.01, or 599.90 may be appropriate.

Three graduate degrees are offered by the School of Theatre: Master of Arts, Master of Science, and Master of Fine Arts. The M.A. and M.S. degrees provide predoctoral training in addition to graduate course work that is based on the presumption that the student should experience a broad range of courses covering most aspects of theatre. The Master of Fine Arts is considered the appropriate terminal degree program for persons in the performance/production areas of theatre.

Master of Science

The Master of Science degree is awarded to a student who has completed a minimum of 36 hours in theatre or approved related courses, and has completed a thesis or passed a School comprehensive examination. The Master's degree candidate must take a series of courses which includes the following: Theatre 497, included in 9 hours of history/theory-criticism with at least 3 in history and 3 in theory/criticism; 3 hours in acting; 3 hours in directing; 3 hours in design/technical theatre (costume, scenic or lighting design); and 14 hours of approved electives, and 4 hours of THE 477.

Master of Arts

The Master of Arts degree is awarded to a student who has completed the requirements outlined above. In addition, the student must have completed the following requirements: the student must have earned credit for a minimum of two years of a foreign language at the college level, or must demonstrate a reading knowledge of a foreign language. This latter requirement is met by passing an examination administered by the appropriate foreign language faculty or a reading language proficiency test.

Admission Requirements

Students who have maintained an average of 3.0 or more for the last 60 hours of undergraduate education and have a bachelor's degree are eligible for admission. Students who have fewer than 36 undergraduate hours in theatre, or who have significant deficiencies in their theatre background, may be admitted. In these instances the students will receive a letter from the School Director suggesting undergraduate courses which must be taken as deficiencies in addition to the 36 hours for the master's degree. Students are required to submit directly to the School of Theatre three recommendations and one example of scholarly writing for consideration.

Ordinarily, students who apply during the last semester of their senior year of undergraduate school will be admitted provisionally by the Graduate School with the statement, "Pending receipt of Bachelor's degree."

Master of Fine Arts

The Master of Fine Arts degree is a 60-hour minimum program that will take most students three years to complete. It emphasizes both theory and practice. Candidates for the degree are required to concentrate in one of the following areas: Acting, Costume Design, Directing, Scene Design, Lighting Design. Candidates must demonstrate the ability to understand the conceptual basis of their art and to articulate that understanding to others. The M.F.A. is a professionally oriented degree that assumes that the student will be competent as a practitioner and teacher. Therefore, each candidate will be required to complete a supervised experience in col-

lege teaching. All Theatre graduate students at Illinois State University are required to take an introduction to graduate studies or 497 course (Theatre 497). Professional Practice (1-12 hours) is available in professional/educational theatres for candidates meeting eligibility requirements.

Admission to The M.F.A. Program

All regular criteria for admission to a terminal degree program in the Graduate School of the University and for graduate study in Theatre will apply. The GRE is not required.

Prospective graduate students will be considered for admission to the Master of Fine Arts program after completing an audition/interview. Each area faculty will determine the admission of candidates in their area. Every semester, students will be evaluated for retention in the program.

Academic Advisers

A temporary Portfolio Committee will be assigned upon admission. If a candidate is retained after the initial annual evaluation, the School Director, in consultation with the student and faculty whom the Director deems appropriate, will select the candidate's permanent Portfolio Committee. The committee Chair must come from the student's studio area.

Transfer Credit

A student who does not have an earned master's degree usually may present no more than six semester hours of credit from another college or university for use in meeting the requirements of the M.F.A. degree. However, a student may present all earned hours from an M.A./M.S. program in Theatre at Illinois State University for use in meeting these requirements.

The total hours required for a student with an earned master's degree will be based on an evaluation of the student's portfolio and academic record. However, the final determination will not be made until the student has completed a minimum of six semester hours in his/her major area of emphasis. The student's M.F.A. committee will supervise all evaluations. Refer to M.F.A. Transfer Credit in the Fields of Study and Degrees Granted section.

A minimum of 32 hours must be taken at Illinois State University.

Residency

A student without an earned master's degree must complete a residency requirement of at least four semesters with at least two of them being full-time, consecutive semesters. A student with an earned master's degree must complete a residency requirement of at least two full-time, consecutive semesters. Summer session may be counted toward the two consecutive semester requirement.

The M.F.A. Portfolio

Each semester of enrollment the M.F.A. candidate will enroll in Theatre 501, M.F.A. Portfolio, for one hour credit. The portfolio is the backbone of the Master of Fine Arts program. It is designed to ensure the regular and systematic evaluation of the student's progress. The portfolio is a collection of materials, including examples of the student's work where appropriate, reviews, evaluations and other artifacts, which may record or characterize the student's experience in the program. The port-

folio also contains the student's responses to evaluations as well as statements from the Portfolio Committee which provide direction for the student's future work in the program.

The student must have a portfolio evaluation for each full semester he/she is in the program. The written results of that evaluation are included in the portfolio. The portfolio provides a cumulative record of the student's progress which is carried over from semester to semester.

Finally, the portfolio, with its record of the student's activities in the program, provides the major objective basis for awarding the degree. Although the student may engage in major creative projects during his/her program, the portfolio stands in lieu of the traditional thesis or creative thesis project which is the culminating experience in many programs.

Qualifying/Comprehensive Examination: A qualifying examination is required prior to the exit portfolio presentation. It may be comprehensive to the extent that it examines the candidate's knowledge of the discipline of theatre; it may include graduate work the student is presenting for the degree; and it may include demonstration of proficiency. The examination will be conducted by the student's M.F.A. Portfolio Committee. The student may request that other faculty members with whom he/she has taken course work participate in the qualifying examination.

Final Portfolio Review and Exit Interview: To be eligible for the exit portfolio presentation, the student must (1) present a grade average of B or above with not more than six (6) hours of C; (2) have completed (or will complete in the current semester) two semesters of full-time resident study; (3) have a plan of study on file with the Graduate School; (4) have passed a qualifying examination; and (5) pass a final portfolio review and exit to be conducted by his/her M.F.A. Committee. The format of this review and exit will be determined by the MFA Committee, who will, when the work is deemed satisfactory, recommend the student to the appropriate studio area for graduation. At least one week before the Graduate School graduation notification deadline, the School Graduate Faculty will meet to hear the studio area's recommendations. Once the Graduate Faculty has approved the student's graduation, the student will be recommended to the Graduate School for the granting of the degree.

Students should consult with their M.F.A. Portfolio Committees and the School Graduate Advisor for details and the calendar of the final portfolio review and exit. While no student is guaranteed graduation, those whose work is deemed unsatisfactory may be presented opportunities for remediation by their Portfolio Committees.

Typical M.F.A. Program

Students will encounter a range of experiences that will prepare them to be competent in their specialty. The M.F.A. candidate is required to complete a minimum of 18 hours in his/her studio area at Illinois State University. Additional experiences will ordinarily include:

- A. 12 hours from the areas of theatre history, theatre criticism and theory, and dramatic literature, including Theatre 497.
- B. 6 hours in performance-related courses outside the student's specialty.
- C. 3 hours in college teaching.

After being admitted to one area of concentration in the M.F.A. program and completing 12 hours of course work under the guidance of the Portfolio Committee, the student, with support from his/her Portfolio Committee, may request an audition for a second area of concentration. Such requests should be made in writing to the Graduate Committee and detail the reasons why such action will aid the scholarly and artistic growth of the student. If admitted in two areas, the student must complete a minimum of 18 hours in each area. A student who undertakes two areas of concentration should expect to be enrolled beyond the normal three-year period. Permission to audition in a second area will be granted only in exceptional cases. The Portfolio Committee may prescribe experiences in addition to the above depending on the student's demonstrated competencies.

A maximum of one year may be taken in an off-campus internship program. Students are required to enroll in Theatre 501, M.F.A. Portfolio, during each semester of residency.

Courses

300 TOPICS IN THE LITERATURE OF THE THEATRE 3 sem. hrs.

Examination of dramatic literature, which may also include dramatic criticism, discussions of plays in performance and/or dramatic/theatrical theory. Course content will vary. Prerequisite: THE 100. May be repeated.

301 COMPUTER ARTS APPLICATIONS 1 sem. hr.

Variable topic course that focuses on the application of computer software to solving studio, performance, and production problems in the arts. Prerequisite: Consent of instructor. May be repeated if content different. Also offered as MUS/ART 301.

309 DIRECTED PROJECTS 1-3 sem. hrs.

Individually supervised study for the advanced student. Prerequisite: THE 100; consent of instructor. May be repeated.

313 ACTING II 3 sem. hrs.

Analysis, rehearsal and performance of representative scripts. Prerequisites: THE 100; THE 110 or equivalent; and consent of acting faculty. Not for credit if had THE 113.

314 ACTING STYLE: DISCOVERY AND PERFORMANCE 3 sem. hrs.

Performance styles of a particular playwright, period, or medium such as Realism (.01), Shakespeare (.02), Acting on Camera (.03), Indian Theatre (.04), Improvisation (.06), and Animals (.07). Prerequisites: THE 100, 211, 220, and consent of Acting faculty.

322 AUDITIONING 3 sem. hrs.

Preparation, performance and evaluation of numerous audition projects; discussion of the actor's search for employment in the professional theatre. Prerequisite: THE 100, 211, 220, and 6 hrs. THE 314, and consent of Acting faculty.

324 STAGE MOVEMENT III 3 sem. hrs.

Continuation of movement training, varying from semester to semester in special areas including mime, stage combat, mask, and/or circus techniques. Prerequisites: THE 100, 220 and consent of Acting faculty. May be repeated; max 9 hrs.

330 THEATRICAL COSTUME DESIGN 3 sem. hrs.

Research and practical application to theatrical costume designing: use of dramatic analysis. Prerequisite: THE 100, 130. May be repeated to total 6 hrs. toward master's degree. M.F.A. student may enroll for credit in each term of residency.

331 HISTORY AND STYLES OF STAGE COSTUMING I 3 sem. hrs.

The costume's reflection of cultural and social milieu and the costume's application to the stage: Ancient Egypt to 1625. Prerequisite: THE 100, 130.

332 COSTUME CONSTRUCTION 3 sem. hrs.

Pattern drafting, draping, fitting, and specialized construction techniques for the theatrical costume craftsman. Lab arranged. Prerequisites: THE 100, 130, and consent of instructor. May be repeated for maximum of 9 credit hours with consent of instructor.

333 COSTUME CRAFTS 3 sem. hrs.

Theory and techniques of costume construction and use of special materials. Prerequisite: THE 100, 130. May be repeated for maximum of 9 credit hours with consent of instructor. Materials charge optional.

334 HISTORY AND STYLES OF STAGE COSTUMING II 3 sem. hrs.

The costume's reflection of cultural and social milieu and the costume's application to the stage: 1625 to 1900. Prerequisite: THE 100, 130.

335 ADVANCED COSTUME DESIGN 3 sem. hrs.

Intensive work in the area of Costume Design and rendering for the stage; emphasis upon idea development and communication skills. Prerequisites: THE 100, 130, 330, or consent of instructor. May be repeated for maximum of 6 credit hrs.

340 DIRECTING WORKSHOP 3 sem. hrs.

Principles and methodologies of stage direction applied to particular problems in a workshop format. Prerequisite: THE 100, 240. May be repeated up to 6 hrs. toward degree program.

341 ORAL INTERPRETATION OF LITERATURE II 3 sem. hrs.

Group forms of Interpretation Readers--Theatre and Chamber Theatre, with experiences to provide the student with practical applications of theory and principle. Prerequisite: THE 101; 101 or consent of instructor.

342 INTRODUCTION TO STAGE MANAGEMENT**3 sem. hrs.**

Introduction and application of basic principles of stage management, with emphasis on the paperwork and procedures required in theatrical productions. Prerequisites: THE 100, 102, 130, and 160 or consent of instructor.

343 SOUND DESIGN II: DIGITAL AUDIO**3 sem. hrs.**

Exploring the medium of computer-based audio and its relationship to artistic applications. Prerequisite: ART/MUS/THE 243 or consent of instructor. Also offered as ART/MUS 343.

344 PRINCIPLES OF THEATRE MANAGEMENT**3 sem. hrs.**

Introduction and demonstration of the practices and procedures of theatre management in today's theatre. Lab arranged. Prerequisite: THE 100.

345 ADVANCED THEATRE MANAGEMENT**3 sem. hrs.**

Intensive work in advanced management techniques for arts organizations, including management practices, union contracts, payrolls, budgeting and income controls. Prerequisite: THE 100; THE 344 or consent of instructor.

348 PLAYWRITING**3 sem. hrs.**

Playwriting techniques of selected masters with practical application of techniques in writing original plays. Also offered as ENG 348.

349 ADVANCED STAGE MANAGEMENT**3 sem. hrs.**

Application of advanced stage management skills with emphasis on procedures used in professional Equity theatrical productions, dance, opera, and touring. Prerequisite: THE 100, 342 or consent of instructor.

350 SOFTWARE DESIGN IN THE ARTS II**3 sem. hrs.**

Designing online digital projects for the Internet which use Web and multimedia techniques to create aesthetic models for art, music, and theatre expression. Prerequisite: ART/MUS/THE 387 or consent of instructor. Also offered as ART/MUS 350.

353 COMPUTER MUSIC NOTATION**3 sem. hrs.**

Study of computer-based music printing and an introduction to MIDI for note entry and proof reading of musical scores. Prerequisite: Consent of instructor. Also offered as ART/MUS 353.

354 SEQUENCING AND DIGITAL AUDIO**3 sem. hrs.**

Study of music synthesis through MIDI sequencers, digital sound editing and recording, and the integration of digital audio and MIDI. Prerequisite: Consent of instructor. Also offered as ART/MUS 354.

359 COMPUTER-BASED ART AND GRAPHIC DESIGN**3 sem. hrs.**

Application of advanced 2D and 3D graphics programs to solve creative problems in the visual and theatrical arts. Prerequisite: ART/MUS/THE 276 or consent of instructor. Materials charge optional. Also offered as ART 359.

361 ADVANCED STAGE LIGHTING**3 sem. hrs.**

Lighting design for proscenium and non-proscenium production; attention to system design. Prerequisites: THE 100, 258, 261; or consent of instructor. Lab arranged.

362 STAGE DESIGN**3 sem. hrs.**

Nature, function, and aesthetics of scene design, with practice in composition. Prerequisites: THE 100, 160, and 258; or consent of instructor.

363 ADVANCED DESIGN**3 sem. hrs.**

Intensive work in the areas of design and rendering for the stage; emphasis upon new materials and techniques. Prerequisite: THE 100, 362. May be repeated to total 6 hrs. toward master's degree. M.F.A. student may enroll for credit in each term of residency.

364 ADVANCED PROJECTS IN DESIGN**2-4 sem. hrs.**

Design and production problems as they relate to productions being mounted by the School of Theatre. Emphasis placed upon creative and collaborative aspects of producing theatre. Prerequisite: THE 100. A maximum of six hours to be applied toward the M.A. or M.S. degree. May be repeated.

365 SCENE PAINTING**3 sem. hrs.**

Development of the skills necessary for the organization, preparation, and execution of painted scenery for the stage. Prerequisite: THE 100. Materials charge optional.

366 RENDERING TECHNIQUES FOR THE STAGE**3 sem. hrs.**

A studio course investigating 2D and 3D graphic techniques for realizing theatrical designs. Content varies; various media and applications emphasized. Prerequisites: THE 100, 130, 160, 258, 261, or consent of instructor. May be repeated. Maximum 6 hrs. toward degree program.

367 SCENOGRAPHIC TECHNIQUES**3 sem. hrs.**

Descriptive geometry and drafting techniques that are necessary in developing 3D stage space and scenic units into plans, elevations, and working drawings. Prerequisites: THE 100, 100 and consent of instructor.

370 HISTORY OF THE CINEMA**3 sem. hrs.**

Historical and aesthetic development of the cinema. Course content will vary. Lab: Screening of significant films. May be repeated; max 6 hrs.

371 FILM THEORY AND CRITICISM**3 sem. hrs.**

Theories relating to art of film making. Prerequisite: THE 170 or consent of instructor.

373 HISTORY AND PHILOSOPHY OF DANCE II**3 sem. hrs.**

History, philosophy, and development of dance from the 17th century to the present.

376 THEATRE HISTORY I**4 sem. hrs.**

History of drama and theatrical production from its origin to approximately 1650. Prerequisite: THE 100.

377 THEATRE HISTORY II**4 sem. hrs.**

History of drama and theatrical production from the late seventeenth century to the present. Prerequisites: THE 100 and 376.

378 SHAKESPEARE ON STAGE**3 sem. hrs.**

An intensive study of Shakespeare's plays in production. For the student with adequate familiarity with Shakespeare and his work. May be repeated once. Also offered as ENG 378.

380 ADVANCED DIRECTING**3 sem. hrs.**

Advanced work in directing theory and practice. Course is designed to provide practical experience in collaboration and process. Capstone experience is direction of a one-act play. Prerequisites: THE 240; THE 340 or consent instructor. May be repeated for maximum of 6 hours.

381 CREATIVE DRAMA PRACTICUM**1-3 sem. hrs.**

Practical experience in creative drama teaching by leading a class in drama under faculty supervision for a semester. Prerequisites: THE 280 and consent of instructor. The course is graded (A-F). May be repeated; max. 6 hrs. Includes clinical experiences 10 hours minimum, Type 10.

385 PRINCIPLES OF THEATRE EDUCATION**5 sem. hrs.**

Capstone course in Theatre Education Sequence; philosophies of theatre education, teaching strategies, co-curricular programs, textbook analyses, professional organizations, related field experiences which include directing in a local high school. Includes clinical experience: hours 25-125, Type 1-5. Prerequisites: THE 285; C or better in C&I 216 or concurrent registration. Admission to Professional studies.

387 SOFTWARE DESIGN IN THE ARTS**3 sem. hrs.**

Designing and programming microcomputer based software which solve particular applications problems in the fine arts. Prerequisite: Consent of instructor. Also offered as ART 387 and MUS 387. Materials charge optional.

388 SELECTED TOPICS IN ARTS TECHNOLOGY**3 sem. hrs.**

Varied emphasis reflecting integration of computers with digital sound/graphic technologies and authoring tools for applications in the arts. May be repeated if content different. Prerequisite: THE 276 or consent of instructor. Also offered as ART 388 and MUS 388. Materials charge optional.

400 INDEPENDENT STUDY**1-4 sem. hrs.**

Refer to Index for General Courses.

401 TEXT I**1 sem. hr.**

Introduction to rhetorical aspects of dramatic/non-dramatic texts, emphasis on identifying different types of text-speaking challenges for the actor. Prerequisite: Consent of instructor.

402 THEATRE PRACTICUM**1-3 sem. hrs.**

Production experience in the areas of acting, costume, and scenery preparation, production crew, box office, and stage management. May be repeated.

403 TEXT II**1 sem. hr.**

Deeper exploration of the rhetorical aspects of dramatic and non-dramatic texts, with a focus on classical argumentation. Prerequisites: THE 401 or consent of instructor.

405 TEXT III**1 sem. hr.**

Course dedicated to exploring the clues, cues, and acting prompts in Shakespeare's First Folio of 1623. Prerequisites: THE 401 and 403; or consent of instructor.

406 COMPUTER PERFORMANCE**ARTS STUDIO****3 sem. hrs.**

Creative and interdisciplinary experiences in solo and ensemble performance integrating computer technology with music, dance, performance art, or theatre production. Prerequisite: Consent of instructor. May be repeated if content different. Also offered as ART/MUS 406.

407 TEXT IV**1 sem. hr.**

Application of principles of Text I, Text II, and Text III classes with specific regard to the plays of Shakespeare. Prerequisites: THE 401, 403, and 405; or consent of instructor.

408 DIRECTED PROJECTS IN ACTING AND DIRECTING**1-4 sem. hrs.**

Individually supervised projects in acting and directing offered by contract in arrangement with graduate faculty. Repeatable. Prerequisite: Consent of instructor.

412 ACTING STUDIO I: 19TH & 20TH CENTURY AMERICAN CLASSICAL MASTERS**3 sem. hrs.**

Development of essential acting techniques toward professional proficiency utilizing significant texts by 19th and 20th Century American classical masters. Prerequisite: Consent of instructor.

413 VOICE STUDIO I: USE OF THE VOICE**2 sem. hrs.**

Techniques that will open the student to greater vocal flexibility and expression. Prerequisite: Consent of instructor.

414 MOVEMENT STUDIO I: USE OF THE SELF**3 sem. hrs.**

Techniques that deepen the student's psychophysical awareness and use of the self for the theatre. Prerequisite: Consent of instructor.

415 ACTING STUDIO II: 19TH & 20TH CENTURY EUROPEAN CLASSICAL MASTERS
3 sem. hrs.

Continued development of essential acting techniques with particular emphasis on the use of heightened language and argumentative speech. Prerequisites: THE 412 or consent of instructor.

416 VOICE STUDIO II: IMAGERY AND ARTICULATORY FLEXIBILITY
2 sem. hrs.

Continuation of foundation work in Voice Studio I focusing on articulatory flexibility, connection to imagery and Dudley Knight dialect technique. Prerequisite: THE 413 or consent of instructor.

417 MOVEMENT STUDIO II: PHYSICAL IMAGERY AND CLASSICAL TEXT
2 sem. hrs.

Exploration of classical text through physical imagery. Prerequisite: THE 414 or consent of instructor.

418 ACTING STUDIO III: WILLIAM SHAKESPEARE PART ONE: COMEDIES AND HISTORIES
3 sem. hrs.

Study and practice of essential acting techniques required by the classical structure and stylistic demands of the work of William Shakespeare. Prerequisites: THE 412 and 415; or consent of instructor.

419 VOICE STUDIO III: IMAGERY & SPEAKING SHAKESPEARE'S TEXT ONE
2 sem. hrs.

Techniques developed to address the vocal demands of classical and heightened text with specific focus on the works of Shakespeare. Prerequisites: THE 413 and 416; or consent of instructor.

420 MOVEMENT STUDIO III: ACTING VIOLENCE ONE
2 sem. hrs.

Acting fights in Shakespeare with a physical, vocal, and emotional commitment to the violence. Prerequisites: THE 414 and 417; or consent of instructor.

421 CONCEPT AND STYLE
3 sem. hrs.

A seminar in the creative collaboration of the theatrical design team (directors, designers and dramaturgs) from the preliminary research to the final, unified production conceptualization. Prerequisites: THE 497; consent of instructor.

426 ACTING STUDIO IV: WILLIAM SHAKESPEARE, PART TWO
3 sem. hrs.

Study and practice of essential acting techniques required by the classical structure and stylistic demands of the work of William Shakespeare. Prerequisites: THE 412, 415, and 418; or consent of instructor.

427 VOICE STUDIO IV: IMAGERY & SPEAKING SHAKESPEARE'S TEXT TWO
2 sem. hrs.

This studio will apply previously learned techniques for classical and heightened text to a one-person Shakespeare performance. Prerequisites: THE 413, 416, 419; or consent of instructor.

428 MOVEMENT STUDIO IV: ACTING VIOLENCE TWO
2 sem. hrs.

Continued study of acting fights in Shakespeare with a physical, vocal, and emotional commitment to the violence. Prerequisites: THE 414, 417, and 420, or consent of instructor.

430 SEMINAR IN THEATRE COSTUME STUDIES
3 sem. hrs.

A seminar in theatre costume studies with the subject changing each time the course is offered. Seminar in Theatre Costume Studies may be repeated for up to 9 hours. Prerequisite: Graduate standing.

432 ACTING STUDIO V: POST-REALISM
3 sem. hrs.

Textual analysis, rehearsal, and performances of a variety of post-realism/non-linear or language-based texts. Prerequisites: THE 412, 415, and 418; or consent of instructor.

433 VOICE STUDIO V: SPECIAL TOPICS: NON-LINEAR THEATRE
2 sem. hrs.

Studio class addressing the vocal demands of non-linear text and vocal extremes. Prerequisites: THE 413, 416, 419, and 427; or consent of instructor.

434 MOVEMENT STUDIO V: MASK CHARACTERIZATION
2 sem. hrs.

Use of character masks to help the actor increase presence, power, and physical clarity. Prerequisites: THE 414, 417, 420, and 428; or consent of instructor.

435 ACTING STUDIO VI: AUDITION & SHOWCASE
3 sem. hrs.

Monologues and cold readings for professional theatre and film auditions. Showcase for professional agents and casting directors. Prerequisites: THE 412, 415, 418, 426, and 432; or consent of instructor.

436 VOICE STUDIO VI: SPECIAL TOPICS: ADVANCED VOCAL STYLES
2 sem. hrs.

Studio class addressing the vocal demands of acting in advanced vocal styles. Prerequisites: THE 413, 416, 419, 427, and 433; or consent of instructor.

437 MOVEMENT STUDIO VI: SPECIAL TOPICS
2 sem. hrs.

Special topics in acting. May include Mask, Alexander Technique, Stage Combat, Comedy of Manners, etc. Prerequisites: THE 414, 417, 420, 428, 434; or consent of instructor.

440 DIRECTING STUDIO
3 sem. hrs.

Investigation into the skills and principles of stage directing over a broad range of genres and styles determined by instructor. May be repeated. Prerequisite: Consent of instructor.

461 SEMINAR IN LIGHTING DESIGN STUDIES
3 sem. hrs.

Seminar in lighting design studies with course content changing each semester. Prerequisite: Graduate standing. May be repeated if content different.

464 ADVANCED PROJECTS IN DESIGN**2-4 sem. hrs.**

A study of design and production problems as they relate to productions executed by the Theatre Department. Prerequisite: Consent of instructor. May be repeated.

465 ADVANCED PROJECTS IN DIRECTING**2 sem. hrs.**

A study of the problems of directing as they relate to departmental productions and the lab work of the Directing Studio. May be repeated. Prerequisite: Consent of instructor.

468 THEATRES AND AUDITORIUMS: PLANNING AND DESIGN**3 sem. hrs.**

Technical problems in stage and auditorium design and planning; emphasis on stage rigging, lighting, and sound equipment. Laboratory. Prerequisite: THE 362.

469 DESIGN AND AESTHETIC ISSUES IN ARTS TECHNOLOGY**3 sem. hrs.**

Provides foundation for further graduate study in arts technology by introducing students to design and aesthetic issues related to multimedia and the digital arts. Prerequisite: Arts Technology major or consent of instructor. Also offered as MUS/ART 469.

474 THE AMERICAN THEATRE**3 sem. hrs.**

Development of the theatre, its dramatic literature, and its arts and crafts in America from its beginning to present.

475 HISTORY OF THE MODERN THEATRE**3 sem. hrs.**

Developments in stagecraft, theatre architecture, directing, acting, and theatrical theory from the late 19th century to the present.

476 SEMINAR IN THEATRE HISTORY**3 sem. hrs.**

A seminar in theatre history with the topic changing each time the course is offered. May be repeated for maximum of 6 hours.

477 PROFESSIONAL SEMINAR IN THEATRE STUDIES**1 sem. hrs.**

Builds professional skills and provides overview of information/issues within the current field of academic theatre studies. May be repeated if content different for maximum of 4 hours.

479 DRAMA THEORY AND CRITICISM**3 sem. hrs.**

Theatre practice from the point of view of a contemporary aesthetic. Subject of investigation will change from semester to semester.

480 ADVANCED COMPUTER TOPICS IN THEATRE**3 sem. hrs.**

Intensive study of an announced topic exploring mainstream and experimental computer issues related to the design of theatre productions in a variety of stage and interactive venues. Prerequisite: Arts Technology major and ART, MUS, or THE 350 and 387; or consent of instructor. May be repeated if content different.

481 INTRODUCTION TO ARTS ADMINISTRATION SEMINAR**3 sem. hrs.**

Intended for students in MBA/Arts concentration; provides overview of non-profit arts organizations, their administrative structure, and funding. Prerequisites: Enrolled in MBA/Arts concentration or permission of instructor.

482 FUNDRAISING AND GRANT WRITING FOR THE NON-PROFIT ARTS**3 sem. hrs.**

Intended for students in MBA/Arts concentration. Overview of philanthropic environment, fundraising and grant writing for non-profit arts. Prerequisite: Enrollment in MBA/Arts concentration or permission of instructor.

483 PUBLIC POLICY AND THE ARTS**3 sem. hrs.**

Intended for students in MBA/Arts concentration. Overview of historic and contemporary relationships among governmental and cultural organizations in U.S. Prerequisite: Enrollment in MBA/Arts concentration or permission of instructor.

490 DIRECTED PROJECTS IN ARTS TECHNOLOGY**1-6 sem. hrs.**

Arts technology practicum for graduate students. Designed to integrate fine arts and arts technology skills in an intensive project environment. Prerequisite: Consent of Arts Technology Program advisor. A maximum of 6 hours may be counted toward a master's degree. May be repeated for credit. Also offered as MUS/ART 490.

497 INTRODUCTION TO RESEARCH METHODOLOGY IN THEATRE**3 sem. hrs.**

Selection of a research problem, collection of data, types of research, the research report, and use of the library and computer resources in connection with the research problem as applied to theatre history, acting, directing, playwriting, design, criticism, and teaching.

498 PROFESSIONAL PRACTICE**1-12 sem. hrs.**

Refer to Index for General Courses.

499 MASTER'S THESIS**1-6 sem. hrs.**

Refer to Index for General Courses.

500 INDEPENDENT STUDY**1-4 sem. hrs.**

Refer to Index for General Courses.

501 M.F.A. PORTFOLIO**1 sem. hr.**

A student accepted into the M.F.A. program must enroll for credit under the supervision of the Portfolio Committee Chairperson. Acting (.01), Directing (.02), Scene Design (.03), Costume Design (.04), Lighting Design (.05). Each may be repeated.



MENNONITE COLLEGE OF NURSING

312 Edwards Hall, (309) 438-7400
www.mcn.ilstu.edu

Interim Dean: Sara Campbell, 312 Edwards Hall

Graduate Program Director: Brenda Jeffers.

Graduate Faculty: A. Adkins, K. Astroth, S. Campbell, E. Carlson, M. Dyck, K. Ingalsbe, B. Jeffers, S. Jenkins, C. Kerber, S. Kossman, P. Lindsey, C. Mallory, D. Wilson, W. Woith.

University Regulations

In addition to the requirements of the individual graduate program, all students are subject to University regulations detailed in the front of the Graduate Catalog. Below is a summary of the most commonly referenced regulations. To locate full details of each regulation, use the index at the end of the catalog.

Academic Good Standing: A 3.00 minimum cumulative graduate GPA is required for graduation and for all courses and activities that require good academic standing.

Course Numbering System, Course Offerings: Some 300- and 400-level courses will not count toward graduate degrees. Any 300-level courses not listed in the Graduate Catalog are undergraduate credit only, are not available for graduate credit. Courses numbered 399 and 429 may be taken for graduate credit but do not count toward a graduate degree.

Use of credit hours from the course group 393, 397, 400, 493, 498 toward a degree is limited. No more than 9 hours total from this group count toward the degree. No more than 6 of the 9 hours may come from 400. Review degree requirements and count previous hours taken from this group before enrolling, since once the limit is reached, no more hours from this group will apply toward the degree.

Use of thesis/dissertation hours toward a degree is limited.

Student-at-Large: Courses taken as a student-at-large do not count toward the degree unless recommended by the degree program. Limit of 12 hours.

Transfer of Credit: Transfer courses must meet university qualifications and be approved by the program and Graduate School. No transfer of the following: courses with grade lower than B, independent study, courses from non-accredited universities, courses used toward another degree, courses over six years old when student first registered for the ISU degree program. No transfer of credit is counted toward 400-level hours requirement. Request for Transfer of Credit form is posted at www.grad.ilstu.edu/plans/.

Time Limitations: Degree completion is subject to university time limitations. Students who do not meet the time limit may be required to retake courses.

Readmission of Former Students: A lapse in registration of one calendar year or more requires application for readmission to the university.

Continuous Registration: Thesis and dissertation students must maintain continuous registration. Students generally enroll in 499 Master's Thesis or 599 Doctoral Dissertation. Under certain circumstances 499.01, 499.90, 599.01, or 599.90 may be appropriate.

Mission

The mission of Mennonite College of Nursing is to educate undergraduate and graduate nursing students to serve the citizens of Illinois, the nation, and the global community. Mennonite College of Nursing acknowledges a particular responsibility to address the nursing and health care needs of urban and rural populations, including those who are vulnerable and underserved. The College of Nursing builds upon the educational foundation previously acquired by students. The College creates a dynamic community of learning in which reflective thinking and ethical decision-making are valued. The College is committed to the promotion of nursing scholarship at the national and international level through research, service, and practice. Mennonite College of Nursing is committed to being purposeful, open, just, caring, disciplined, and celebrative.

Master of Science in Nursing

The College offers a Master of Science in Nursing degree designed to prepare nurses to function in selected advanced practice and generalist nursing roles, including family nurse practitioners, gerontological nurse practitioners, nurse educators, nursing systems administrators, and clinical nurse leaders.

Accreditation

The Master of Science in Nursing program is fully accredited by the Commission on Collegiate Nursing Education (CCNE), One Dupont Circle, NW Suite 530, Washington, D.C. 20036; 202/887-6791.

Admission Requirements

Applicants to the Master of Science in Nursing program must have: (a) a Bachelor of Science in Nursing degree from a CCNE-accredited or an NLN-accredited program; (b) a minimum grade-point average of 3.0 for the last 60 semester hours of undergraduate course work; (c) one official transcript for all prior collegiate academic work; (d) evidence of satisfactory completion of statistics, nursing research, and physical assessment courses with a grade of C or better at the baccalaureate level; (e) official scores from the Graduate Record Examinations (GRE) General Test; and (f) satisfactory completion of a graduate level statistics course (300-level or above). The GRE is waived for applicants with a grade point average of 3.4 or higher for the last 60 hours of undergraduate course work. The Graduate Application for Admission, transcripts, and GRE General Test scores are submitted to the Illinois State University Office of Admissions as indicated on the admissions application. In addition, the following documentation is to be forwarded directly to Mennonite College of Nursing (Campus Box 5810, Normal IL 61790-5810): (a) evidence of licensure as a registered nurse in Illinois; (b) three letters of reference from persons qualified to assess the applicant's potential to succeed as a graduate student, with one letter from a nursing faculty member in the student's baccalaureate program; (c) a resume; and (d) a 2-3 page essay outlining professional and educational goals. Two years of recent full-time relevant clinical or administrative nursing experience is preferred, but not required.

An application pooling process is used to admit students in the fall and spring. To be considered within the initial pool of applications, all required application materials must be received no later than February 1 for fall admission and September 1 for spring admission. Applicants are notified of admission decisions after these dates. Applications completed after the February 1 or September 1 deadline are processed on a continuous basis until all remaining seats are filled for the semester.

Degree Requirements

The Master of Science in Nursing is a 30-54 semester hour program (depending on sequence chosen) distributed among core, support, and nursing specialty courses. All students must successfully complete a synthesis project within identified Capstone courses in each sequence. NUR 477 is the Capstone course identified for the Family Nurse Practitioner sequence, NUR 443 and NUR 444 are the capstone courses identified in the Gerontological Nurse Practitioner sequence, NUR 483 is the Capstone course identified for the Nursing Systems Administration sequence, and NUR 492 is the Capstone course identified for the Clinical Nurse Leader sequence. Those students interested in research and doctoral study may choose to complete a thesis that would result in additional degree hours. All master's degree students complete either the Family Nurse Practitioner sequence (32 semester hours), the Gerontological Nurse Practitioner sequence (54 semester hours), the Nursing Systems Administration sequence (18 semester hours) or the Clinical Nurse Leader sequence (22 semester hours) and 12 hours of core coursework (NUR 401, 403, 405, and 407).

The master's program is developed based on nationally recognized standards for graduate education in nursing. All courses applied toward the degree must be completed at the 400 level. In order to maintain clinical proficiency, students who have completed the final practicum course for their enrolled sequence but who do not meet the requirements for graduation must enroll in ongoing practicum independent study (NUR 400) until graduation. A contract outlining the specific requirements for the Independent Study will be developed between the Director of Graduate Program and the student.

Mennonite College of Nursing requires that any student receiving a grade of "C" or below in graduate coursework must repeat the course. A maximum of 3 semester hours may be repeated.

Family Nurse Practitioner (FNP) Sequence (32 semester hours plus 12 hours core)

The family nurse practitioner utilizes an aggregate-based practice model for direct health care services that integrates preventive and self-care measures, as well as the diagnosis and management of commonly occurring acute and chronic health conditions. The practice of the family nurse practitioner is based on knowledge areas from epidemiology, community, health care systems, family, nursing theory, pharmacology, advanced pathophysiology, and research.

In addition to the 12 hour core, there are 9 hours of support courses and 23 hours of specialty courses for the Family Nurse Practitioner sequence. The support courses are NUR 431, 433, and 437. The specialty courses are NUR 471, 473, 475, and 477. Five of the family nurse practitioner courses (NUR 431,

471, 473, 475, and 477) must be taken in sequential order and in consecutive academic terms. Graduates of the program will be eligible to take the certification exam for Family Nurse Practitioners offered through the American Nurses Credentialing Center (ANCC) and the American Academy of Nurse Practitioners (AANP).

Gerontological Nurse Practitioner (GNP) Sequence (All specialty courses are online; 42 semester hours plus 12 hours core)

The Gerontological Nurse Practitioner uses specialized education in the diagnosis, treatment, and management of acute and chronic health conditions often found among older adults and generally associated with aging. Many such conditions lead to functional decline requiring therapeutic interventions to restore or maintain an optimal level of function, or when appropriate, palliative care at the end of life. The GNP uses a collaborative and holistic approach to meet the medical, psychosocial, and functional needs of older persons. Practice sites of the GNP include ambulatory care clinics, care management organizations, acute and subacute hospitals, private home care, and all levels of long-term care.

In addition to the 12-hour core, there are 14 hours of support courses and 28 hours of specialty courses for the Gerontological Nurse Practitioner Sequence. All specialty courses are offered on-line. The support courses are NUR 441, 442, 445, and 509. The specialty courses are NUR 443, 444, 446, 447, 448, and 449. Six of the GNP courses (NUR 443, 444, 445, 446, 447, and 448) must be taken in sequential order and consecutive academic terms. Graduates are eligible to take the certification exam for the Gerontological Nurse Practitioner offered through the American Nurses Credentialing Center (ANCC).

Nursing Systems Administration (NSA) Sequence (All specialty courses are online; 18 semester hours plus 12 hours core)

Graduates are prepared to function at executive levels as innovative, collaborative leaders within changing health care environments.

In addition to the 12-hour core, there are 18 hours of specialty courses for the Nursing Systems Administration sequence. The specialty courses are: NUR 451, 453, 479, 481, and 483. Graduates of the program will be eligible to take the exam for certification in Nursing Administration, Advanced (CNAA) offered through the American Nurses Credentialing Center (ANCC).

Clinical Nurse Leader (CNL) Sequence (22 semester hours plus 12 hours core)

Graduates are prepared to function as leaders within complex health care environments. The practice of the CNL emphasizes nursing leadership, client outcomes management, and care environment management. The CNL functions as a generalist at the microsystem level as provider and manager of care at the point of care delivery. Design, implementation, and evaluation of research based care; coordination, delegation, and supervision of care provided by the health care team are essential functions of the role. The CNL graduate is prepared

at the education level necessary to teach nursing students in the State of Illinois. Graduates are not eligible for advanced practice licensure in Illinois. Graduates are eligible to take the certification exam for the Clinical Nurse Leader offered through the Commission on Nurse Certification (CNC).

In addition to the 12 hour core, there are 9 hours of support courses and 13 hours of specialty courses for the Clinical Nurse Leader Sequence. The support courses are NUR 431, 437, and 479. The specialty courses are NUR 432, 491, and 492.

Non-Degree Graduate-Level Certificates

Nurse Educator Graduate Certificate

Graduates are prepared to function as nurse educators in the areas of nursing education and nursing service/clinical practice. Practice of the nurse educator centers on a combination of building on the master's degree in nursing clinical specialty, principles of nursing education, and innovative technological approaches in nursing and healthcare. Candidates for the Nurse Educator Graduate Certificate must complete a total of 9 credit hours. Requirements include successful completion of NUR 412, 413, and 415.

Admission Requirements for Nurse Educator Graduate Certificate

All applicants to the Nurse Educator Certificate must show evidence of current enrollment in an accredited master's degree nursing program OR evidence of graduation from an accredited master's degree nursing program.

Applicants must meet general admission requirements as designated for the Mennonite College of Nursing Master of Science in Nursing program. In addition, the following documentation is required: (a) evidence of licensure as a registered nurse in Illinois; (b) completed Nurse Educator Graduate Certificate application form; and (c) reference from a person qualified to assess the applicant's potential to succeed as a nurse educator.

All materials for admission are to be forwarded directly to Mennonite College of Nursing (Campus Box 5810, Normal IL 61790-5810).

Post-Master's FNP Certificate

Course work for the Family Nurse Practitioner (FNP) post-master's certificate is determined for each student following an assessment of the applicant's graduate nursing education transcript. Candidates for the post-master's FNP certificate are required to complete a minimum of 26 credits in Mennonite College of Nursing at Illinois State University, including NUR 431 and 23 hours of specialty courses in the FNP sequence.

Post-Master's GNP Certificate

Course work for the Gerontological Nurse Practitioner (GNP) post-master's certificate is determined for each student following an assessment of the applicant's graduate nursing education transcript. Candidates for the post-master's GNP certificate are required to complete a minimum of 33 credit hours of specialty courses in the GNP sequence, at Mennonite College of Nursing at Illinois State University, including NUR 443, 444, 445, 446, 447, 448, and 449.

Doctor of Philosophy in Nursing

The doctor of philosophy degree prepares nurse researchers with expertise in vulnerable populations. The Ph.D.-prepared nurse will serve the public health by designing and conducting research on relevant clinical, educational, health systems and/or health policy topics. The Ph.D.-prepared nurse may pursue a research career in the academic, business, government, or industrial setting. Ph.D.-prepared nurses also may serve as educators and/or administrators and develop or consult on health care policy in a variety of settings.

Admission Requirements

Applicants to the doctor of philosophy program of study must have (a) a Master of Science in Nursing from a CCNE or NLN-accredited program, (b) a minimum grade-point average of 3.0 for the last 60 semester hours of undergraduate course work or 30 hours of graduate course work, (c) one official transcripts of all prior collegiate academic work, and (d) official scores from the Graduate Record Examinations General Test. The GRE is waived for students with a grade point average of 3.4 or higher in the last 60 semester hours of undergraduate course work or 30 hours of graduate course work. The Graduate Application for Admission, transcripts, and GRE General Test scores are submitted to the Illinois State University Office of Admissions as indicated on the admissions application. In addition, the following documentation is to be forwarded directly to Mennonite College of Nursing (Campus Box 5810, Normal, IL 61790-5810): (a) evidence of licensure as a registered nurse in Illinois (not required until after the student has been accepted); (b) three letters of reference from persons qualified to assess the applicant's potential to succeed in the doctoral program, one of which must be from a doctoral prepared nurse; (c) a resume; and (d) an essay outlining the student's research interests and career goals. Admission to the doctor of philosophy program of study is dependent upon whether a student can be matched with a faculty member with corresponding research interests. Qualified students will be contacted for an interview to determine if such a match is possible.

Degree Requirements

The doctor of philosophy is a 66 semester hour program distributed among core (21 semester hours), focus (12 semester hours), statistics/research methods (9 semester hours), elective courses (9 semester hours), and dissertation (15 semester hours). All students must successfully complete a dissertation comprised of independent research. Required coursework is usually completed within two to three years, followed by the comprehensive exam at which time the student is admitted to candidacy. The student completes one to two years of dissertation work followed by the dissertation defense for graduation. Students entering the program post-master's degree may expect to complete the degree within three to four years of full-time study, with required coursework completed in two years, followed by one to two years of dissertation work.

The Ph.D. program is based on national expectations and competencies for graduates of research-focused doctoral programs in nursing as stated by the American Association of Colleges of Nursing. Typically, all courses applied to the degree must be completed at the graduate level.

Mennonite College of Nursing requires that any student receiving a grade of C or below in graduate coursework must repeat the course. A maximum of 3 semester hours may be repeated.

Focal Area in Aging

Students in the doctor of philosophy program focus a program of study and research on aging.

Specific Academic Regulations

Information regarding regulations and procedures for Graduate Nursing students, advising/plan of study, Cardiopulmonary Resuscitation (CPR) certification, Universal Precautions competency, documentation of Registered Nurse Licensure, Professional Nurse Traineeships, Endowed Scholarships and other private funding sources is available in the Mennonite College of Nursing administrative office.

Courses

400 INDEPENDENT STUDY

1-4 sem. hrs.

See General Course Offerings.

401 THEORETICAL FOUNDATIONS OF NURSING AND HEALTH CARE

3 sem. hrs.

Focuses on nursing theory in advanced practice. Specific nursing theories and shared theories from other disciplines are examined. Prerequisite: Graduate standing in Nursing or consent of College.

403 PROFESSIONAL ROLES AND ISSUES IN HEALTH CARE

3 sem. hrs.

Theories and concepts relevant to professional, ethical, legal, and policy issues germane to contemporary advanced nursing practice are explored. Prerequisite: Graduate standing in Nursing or consent of College.

405 EPIDEMIOLOGY AND AGGREGATE BASED HEALTH PROMOTION

3 sem. hrs.

Theoretical foundations, scientific principles, and research methodologies related to epidemiology are studied, and opportunities for practical applications are provided. Prerequisite: Graduate standing in Nursing or consent of College.

407 SCIENTIFIC INQUIRY AND RESEARCH DESIGN IN NURSING AND HEALTH CARE

3 sem. hrs.

Rigorous and methodical research approaches are explored. Students analyze, evaluate, and interpret studies contributing evidence for practice and knowledge development. Prerequisite: Graduate standing in Nursing or consent of College; graduate-level statistics course.

412 METHODS OF TEACHING AND INSTRUCTIONAL TECHNOLOGY IN NURSING EDUCATION

3 sem. hrs.

Focuses on topics related to teaching/learning strategies and use of instructional technology in nursing education programs and healthcare settings. Prerequisite: Nurse Educator Graduate Certificate students only.

413 CURRICULAR AND EVALUATIVE APPROACHES FOR NURSING EDUCATION

3 sem. hrs.

Examines curricular components for nursing education programs including clinical experiences and factors in providing, marketing, and evaluating educational programs. Prerequisite: Nurse Educator Graduate Certificate students only.

415 ROLE OF THE NURSE EDUCATOR IN PRACTICE

3 sem. hrs.

Application of concepts related to curriculum, teaching/learning, and evaluation in a nursing academic or clinical environment. Prerequisites: Nurse Educator Graduate Certificate students only; NUR 412 and 413.

431 DIAGNOSTIC REASONING FOR ADVANCED NURSING PRACTICE

3 sem. hrs.

The diagnostic process with its associated skills of history-taking, target assessments, physical examination techniques, documentation are discussed. Prerequisite: NUR 401 or concurrent registration; graduate standing in Nursing.

432 PHARMACOTHERAPEUTICS FOR THE CLINICAL NURSE LEADER

2 sem. hrs.

Online course focusing on understanding pharmacotherapeutic principles as applied to clients across the lifespan in multiple health care settings. Prerequisite: Graduate standing in Nursing or consent of College.

433 PHARMACOTHERAPEUTICS FOR ADVANCED PRACTICE NURSING

3 sem. hrs.

Focuses on the management of drug therapy for clients across the life span. Prerequisite: NUR 437.

437 PATHOPHYSIOLOGIC BASES OF HEALTH DEVIATION

3 sem. hrs.

Focuses on the conceptual understanding of pathophysiologic processes and the application of this knowledge to clinical practice. Prerequisite: Graduate standing in Nursing or consent of College.

441 PATHOPHYSIOLOGY FOR ADVANCED GERONTOLOGICAL NURSING

3 sem. hrs.

Understanding and differentiating the normal biological processes of aging and the pathophysiology of acute and chronic conditions of older adults. Prerequisite: Graduate standing in NUR or consent of instructor.

442 PHARMACOTHERAPEUTICS FOR ADVANCED GERONTOLOGICAL NURSING

3 sem. hrs.

Knowledge of advanced pharmacotherapeutics provides an in-depth examination of the physiological, economic, and legal aspects of prescribing in clinical practice. Prerequisite: Graduate standing in NUR or consent of instructor.

**443 CAPSTONE INTERDISCIPLINARY
QUALITY AND SAFETY INITIATIVE I**
3 sem. hrs.

Advanced practice includes monitoring quality of care at all organizational levels within context of a health care team. Prerequisites: NUR 447 or consent of instructor; practicum placement site and preceptor must be approved by established deadlines outlined in the "Preceptor Planning Process" found in the MCN Graduate Handbook.

**444 CAPSTONE INTERDISCIPLINARY
QUALITY AND SAFETY INITIATIVE II**
3 sem. hrs.

Interdisciplinary learning is content focused on knowledge and skills needed to be a collaborating team member focused on patient-centered care. Includes 1 hr. clinical. Prerequisites: NUR 443; practicum placement site and preceptor must be approved by established deadlines outlined in the "Preceptor Planning Process" found in the MCN Graduate Handbook.

**445 GNP I: DIAGNOSTIC
REASONING FOR ADVANCED
GERONTOLOGICAL NURSING**
5 sem. hrs.

Skills of history-taking and conducting physical exams are used to construct a differential diagnosis and develop a patient-centered plan. Includes clinical hrs. Prerequisites: Graduate standing in NUR or consent of instructor; professional equipment necessary to conduct and record a history and physical examination; practicum placement site and preceptor must be approved by established deadlines outlined in the "Preceptor Planning Process" found in the MCN Graduate Handbook.

**446 GNP II: SOCIAL AND CULTURAL
ADAPTATIONS TO AGING**
5 sem. hrs.

Increase awareness of attitudes, values, and expectations regarding aging and their impact on care of older adults and their families. Includes clinical hrs. Prerequisites: NUR 445; practicum placement site and preceptor must be approved by established deadlines outlined in the "Preceptor Planning Process" found in the MCN Graduate Handbook.

**447 GNP III: HEALTH PROMOTION AND
SYNDROMES OF AGING**
5 sem. hrs.

Focus on planning and implementing therapeutic interventions for promoting healthy behaviors, maximizing function capacity, and minimizing disability in aging. Includes clinical hrs. Prerequisites: NUR 446; practicum placement site and preceptor must be approved by established deadlines outlined in the "Preceptor Planning Process" found in the MCN Graduate Handbook.

**448 GNP IV: CLINICAL MANAGEMENT
OF ACUTE AND CHRONIC ILLNESS**
6 sem. hrs.

Focus on the key characteristics of older adults that have major implications for the management of acute and chronic disease. Includes clinical hrs. Prerequisites: NUR 447; practicum placement site and preceptor must be approved by established deadlines outlined in the "Preceptor Planning Process" found in the MCN Graduate Handbook.

**449 GNP V: PALLIATIVE CARE AND
END-OF-LIFE ISSUES**
6 sem. hrs.

Principles of palliative care are essential throughout the course of a chronic progressive incurable disease at the end of life. Includes clinical hrs. Prerequisite: NUR 448; practicum placement site and preceptor must be approved by established deadlines outlined in the "Preceptor Planning Process" found in the MCN Graduate Handbook.

**451 FINANCIAL AND RESOURCE MANAGEMENT
OF HEALTH SYSTEMS**
4 sem. hrs.

Forecasting, resource allocation, strategic positioning, and fiscal responsibilities for quality management within managed and non-managed care environments are emphasized. Prerequisite: NUR 479 or concurrent registration.

**453 ORGANIZATIONAL BEHAVIOR IN
HEALTH CARE**
3 sem. hrs.

Application of an understanding of organizational behaviors to health care systems and the management of human resources by nurse executives.

471 FAMILY NURSE PRACTITIONER I
5 sem. hrs.

Focuses on the specialized role of the family nurse practitioner in preventive health and primary health care of populations across the life span, emphasizing minor, self-limiting health problems. Includes practicum. Prerequisite: NUR 431 and 437; NUR 433 or concurrent registration.

473 FAMILY NURSE PRACTITIONER II
5 sem. hrs.

Emphasizes the role of the family nurse practitioner in family-centered, preventive health care of the child-rearing family. Includes practicum. Prerequisite: NUR 471.

475 FAMILY NURSE PRACTITIONER III
7 sem. hrs.

Focuses on the role of the nurse practitioner in the management of complex problems of clients across the lifespan. Includes practicum. Prerequisite: NUR 473.

477 FAMILY NURSE PRACTITIONER IV
6 sem. hrs.

Studies issues involved in being a family nurse practitioner. Includes clinical capstone preceptorship and synthesis project. Prerequisite: NUR 475.

**479 ADVANCED CONCEPTS FOR
NURSE LEADERS**
3 sem. hrs.

Roles and leadership theories are examined, with analysis of health systems and organizational strategies for clinical and human resource management. Prerequisite: Graduate standing in Nursing or consent of College.

**481 EXECUTIVE NURSING
ADMINISTRATION
OF HEALTH SYSTEMS I**
4 sem. hrs.

Outcome analysis, quality management, issues, and the role of the nurse executive are addressed from an ethical, legal, and regulatory foundation. Includes practicum. Prerequisite: NUR 479.

**483 EXECUTIVE NURSING
ADMINISTRATION
OF HEALTH SYSTEMS II**
4 sem. hrs.

Capstone seminar and practicum experience related to role responsibilities of the nurse executive. Prerequisite: NUR 481 and last-semester standing.

491 CLINICAL NURSE LEADER I
4 sem. hrs.

Theories and concepts related to the Clinical Nurse Leader role across the health care continuum. Prerequisite: NUR 432 and 437, or concurrent registration.

492 CLINICAL NURSE LEADER II
7 sem. hrs.

Immersion experience focusing on role of the clinical nurse leader in the practice setting. Prerequisite: NUR 491; last-semester standing.

499 MASTER'S THESIS
1-4 sem. hrs.

Refer to General Courses.

501 PHILOSOPHY OF SCIENCE
3 sem. hrs.

Philosophy of science, scientific reasoning, and scientific progress are analyzed for relevance to present-day nursing research. Prerequisite: Graduate standing in Nursing or consent of Graduate Director.

**503 THEORETICAL BASIS OF NURSING
RESEARCH**
3 sem. hrs.

Examination and critical evaluation of the theory development and use from nursing and related disciplines. Prerequisite: Graduate standing in Nursing or consent of Graduate Director.

505 QUANTITATIVE RESEARCH DESIGN
3 sem. hrs.

Examination and application of quantitative scientific research design and methods. Prerequisite: Graduate standing in Nursing or consent of Graduate Director.

507 QUALITATIVE RESEARCH DESIGN
3 sem. hrs.

Examination and application of qualitative design and methods. Prerequisite: Graduate standing in Nursing or consent of Graduate Director.

**509 INTRODUCTION TO
NURSING INFORMATICS**
3 sem. hrs.

Overview of nursing informatics theory, practice, policy, and research trends emphasizing knowledgeable use to support advanced nursing practice and research. Prerequisite: Graduate standing in Nursing or consent of Graduate Director.

511 HEALTH POLICY
3 sem. hrs.

Health policy including economic implications is analyzed, applied, and evaluated from a comprehensive understanding of the state of nursing science. Prerequisite: Graduate standing in Nursing or consent of Graduate Director.

**513 ETHICAL, LEGAL, AND PROFESSIONAL
ISSUES IN RESEARCH**
3 sem. hrs.

Ethical and legal considerations of the research process are analyzed, applied, and evaluated. Prerequisite: Graduate standing or consent of Graduate Director.

**520 BIOPSYCHOLOGICAL RESEARCH WITH
AGING INDIVIDUALS**
3 sem. hrs.

The state of the science is analyzed and evaluated specific to the biological, psychological, and functional health of aging individuals. Prerequisite: Graduate standing in Nursing or consent of Graduate Director.

**522 SOCIOCULTURAL RESEARCH
WITH AGING PERSONS IN
FAMILIES AND COMMUNITIES**
3 sem. hrs.

The state of the science is analyzed and evaluated specific to the sociocultural issues of aging clients and their communities. Prerequisite: Graduate standing in Nursing or consent of Graduate Director.

**524 RESEARCH IN AGING WITH
VULNERABLE POPULATIONS**
3 sem. hrs.

The state of the science is analyzed and evaluated specific to the vulnerable aging population. Prerequisite: Graduate standing in Nursing or consent of Graduate Director.

**526 RESIDENCY IN RESEARCH WITH
AGING ADULTS**
1-3 sem. hrs.

A research paper project in the area of nursing research in aging is conducted under the guidance of a preceptor. Prerequisite: Graduate standing in Nursing or consent of Graduate Director. May be repeated for maximum of 3 credit hrs.

530 RESEARCH COLLOQUIUM
No credit hours

Collection of seminars on research design, health care policy, aging and professional development. Prerequisite: Graduate standing in Nursing or consent of Graduate Director.

599 DISSERTATION
15 sem. hrs.

Design, conduct, and disseminate original research study under direction of dissertation chair. Prerequisites: Graduate standing in Nursing or consent of Graduate Director and advanced to candidacy for the Ph.D.

MEMBERS OF THE GRADUATE FACULTY

For Fall 2009 as of January 2009

Nobuko Adachi

Assistant Professor, Sociology and
Anthropology
Ph.D., University of Toronto

Lori J. Adams

Associate Professor, School of Theatre
M.F.A., University of Nebraska-Lincoln

Agbenyega Adedze

Associate Professor, History
Ph.D., University of California-Los Angeles

Amelia D. Adkins

Acting Associate Dean, Mennonite College of
Nursing
Associate Professor, Educational Administration
and Foundations
Ph.D., University of North Carolina-Chapel Hill

Ama Oforiwa Aduonum

Associate Professor, School of Music
Mus.D., Florida State University

Fusun Akman

Associate Professor, Mathematics
Ph.D., Yale University

Olcay Akman

Associate Professor, Mathematics
Ph.D., University of Maine

Adel Tawfiq Al-Bataineh

Associate Professor, Curriculum and Instruction
Ed.D., Illinois State University

Debbie Ruth Alley

Associate Professor, School of Theatre
M.F.A., Illinois State University

James Joseph Alstrum

Professor, Languages, Literatures, and Cultures
Ph.D., Vanderbilt University

Joe Amato

NTT Instructional Assistant Professor, English
D.A., State University of New York-Albany

Anthony John Amorose

Associate Professor, School of Kinesiology and
Recreation
Ph.D., University of Virginia

David L. Anderson

Associate Professor, Philosophy
Ph.D., Harvard University

Julius Anderson

Assistant Professor, Family and Consumer
Sciences
Ph.D., University of Alabama

Roger Clark Anderson

Emeriti Faculty, School of Biological Sciences
Ph.D., University of Wisconsin-Madison

Maureen E. Angell

Professor, Special Education
Ph.D., University of Georgia

Susan Kay Appel

Professor, School of Art
Ph.D., University of Illinois-Urbana-Champaign

William Carthon Archer

Associate Professor, School of Art
Ph.D., University of Virginia

Joseph Everett Armstrong

Professor, School of Biological Sciences
Ph.D., Miami University

Dianne E. Ashby

Vice President, University Advancement
Professor, Educational Administration and
Foundations
Ph.D., Southern Illinois University-Carbondale

Raymond Ashton

NTT Instructional Assistant Professor,
Educational Administration and
Foundations
Ph.D., Southern Illinois University-Carbondale

Kim M. Astroth

Assistant Professor, Mennonite College of
Nursing
Ph.D., University of Missouri-Saint Louis

Jill Suzanne Attaway

Professor, Marketing
Ph.D., Louisiana State University

Albert T Azinger

Specialist, Human Resources
Emeriti Faculty, Educational Administration and
Foundations
Ph.D., University of Iowa

Patricia Badani-Rosato

Assistant Professor, School of Art
M.F.A., School of the Art Institute-Chicago

Jae Meen Back

Assistant Professor, Mathematics
Ph.D., University of Wisconsin College

Alison Bailey

Associate Professor, Philosophy
Ph.D., University of Cincinnati

Jeffrey Bakken

Acting Department Chairperson
Professor, Special Education
Ph.D., Purdue University

Elango Balasubramanian

Professor, Management and Quantitative
Methods
Ph.D., City University of New York-Graduate
School and University Center

John R. Baldwin

Professor, School of Communication
Ph.D., Arizona State University

Cheryl Elizabeth Ball

Assistant Professor, English
Ph.D., Michigan Technological University

John H. Bantham

Associate Professor, Management and
Quantitative Methods
Ph.D., Syracuse University

David Barone

Professor, Psychology
Ph.D., University of California-Santa Barbara

Jeffrey Edward Barrett

Associate Professor, Mathematics
Ph.D., State University of New York College-
Buffalo

Daniella R. Barroqueiro

Associate Professor, School of Art
Ph.D., University of Illinois-Urbana-Champaign

Temba C. Bassoppo-Moyo

Associate Professor, Curriculum and Instruction
Ph.D., Florida State University

John E. Baur

Professor, Chemistry
Ph.D., Indiana University-Bloomington

Ann Elizabeth Beck

Associate Dean, College of Arts and Sciences
Professor, Communication Sciences and
Disorders
Ph.D., University of Illinois-Urbana-Champaign

Frank D. Beck

Associate Professor, Sociology and
Anthropology
Ph.D., Pennsylvania State University

Wayne Ray Beckner

Associate Professor, School of Art
M.F.A., University of Missouri-Columbia

Brent A. Beggs

Associate Professor, School of Kinesiology and
Recreation
Ph.D., Indiana University-Bloomington

Dawn M. Beichner

Assistant Professor, Criminal Justice Sciences
Ph.D., University of Nebraska-Omaha

Augustus Leon Beier

Professor, History
Ph.D., Princeton University

Lucinda McCray Beier

Professor, History
Ph.D., University of Lancaster

Daniel Andrew Belongia

Assistant Professor, School of Music
Ph.D., Michigan State University

Raymond Michael Bergner

Professor, Psychology
Ph.D., University of Colorado-Boulder

Laura E. Berk

Adjunct, Psychology
Ph.D., University of Chicago

Gina Louise Hunter D. Bessa

Associate Professor, Sociology and
Anthropology
Ph.D., University of Illinois-Urbana-Champaign

Thomas James Bierma

Professor, Health Sciences
Ph.D., University of Illinois-Chicago

William R. Biles

Professor, History
Ph.D., University of Illinois-Chicago

John Francis Binning

Professor, Psychology
Ph.D., University of Akron

Diane L. Bjorklund

Associate Professor, Sociology and
Anthropology
Ph.D., University of California-Davis

Joseph R. Blaney

Associate Professor, School of Communication
Ph.D., University of Missouri-Columbia

Glenn Block

Professor, School of Music
Ph.D., University of California-San Diego

Amy Melissa Bloom

Assistant Professor, Geography-Geology
Ph.D., University of Utah

Craig Blum

Assistant Professor, Special Education
Ph.D., University of Washington-Seattle

Stacey Jones Bock

Associate Professor, Special Education
Ph.D., University of Kansas

Paul William Borg

Professor, School of Music
Ph.D., Indiana University-Bloomington

Victoria Anne Borowicz

NTT Instructional Assistant Professor, School
of Biological Sciences
Ph.D., Pennsylvania State University

Richard Allen Boser

Department Chairperson, Technology
Professor, Technology
Ph.D., Texas A & M University

Isabel C. Botero

Assistant Professor, School of Communication
Ph.D., Michigan State University

Rachel Michelle Bowden

Assistant Professor, School of Biological
Sciences
Ph.D., Indiana University-Bloomington

Clarence Alvin Bowman

President
Associate Professor, Communication Sciences
and Disorders
Ph.D., University of Illinois-Urbana-Champaign

Wanda Bracy

Director, School of Social Work
Ed.D., Northern Illinois University

Robert Charles Bradley

Professor, Politics and Government
Ph.D., University of Kentucky

Lee Ellen Brasseur

Professor, English
D.A., University of Michigan-Ann Arbor

Gregory S. Braswell

Associate Professor, Psychology
Ph.D., University of Illinois-Urbana-Champaign

Joan M. Brehm

Assistant Professor, Sociology and
Anthropology
Ph.D., Utah State University

- Christopher David Breu**
Associate Professor, English
Ph.D., University of California-Santa Cruz
- Judith A. Briggs**
Assistant Professor, School of Art
Ph.D., Pennsylvania State University
- Robert Lavery Broad**
Professor, English
Ph.D., Miami University
- James Thomas Broadbear**
Professor, Health Sciences
Ph.D., Indiana University-Bloomington
- Daniel P. Browder**
Professor, School of Theatre
M.F.A., Indiana University-Bloomington
- Cynthia L. Brown**
Associate Professor, School of Theatre
Ph.D., Arizona State University
- Dale Douglas Brown**
Professor, School of Kinesiology and Recreation
Ph.D., Southern Illinois University-Carbondale
- Danny C. Brown**
Professor, Technology
Ph.D., University of Illinois-Urbana-Champaign
- David Kelly Brown**
Associate Professor, Sociology and Anthropology
Ph.D., Northwestern University
- Lauren E. Brown**
Adjunct, School of Biological Sciences
Ph.D., University of Texas-Austin
- Dagmar Budikova**
Associate Professor, Geography-Geology
Ph.D., University of Calgary
- Bruce R. Burningham**
Associate Professor, Languages, Literatures, and Cultures
Ph.D., Yale University
- Susan Meredith Burt**
Associate Professor, English
Ph.D., University of Illinois-Urbana-Champaign
- Peter John Bushell**
Associate Professor, School of Art
M.F.A., University of Illinois-Urbana-Champaign
- James Douglas Butler**
Distinguished Professor, School of Art
M.F.A., University of Nebraska-Lincoln
- Diane L. Byers**
Associate Professor, School of Biological Sciences
Ph.D., Rutgers University-New Brunswick
- George E. Byrns**
Associate Professor, Health Sciences
Ph.D., Johns Hopkins University
- Mary Elaine Califf**
Associate Professor, School of Information Technology
Ph.D., University of Texas-Austin
- Mary Peterman Campbell**
Emeriti Faculty, School of Social Work
M.S.W., Ohio State University
- Sara Lea Campbell**
Dean, Mennonite College of Nursing
Professor, Mennonite College of Nursing
D.Nursing Sci., Indiana University-Bloomington
- Angelo Paul Capparella**
Associate Professor, School of Biological Sciences
Ph.D., Louisiana State University
- Jeffrey Lon Carlson**
Associate Professor, Economics
Ph.D., University of Illinois-Urbana-Champaign
- Karyl K. Carlson**
Professor, School of Music
D.M.A., Michigan State University
- Joseph M. Casto**
Assistant Director, University Research, Research and Sponsored Programs
Adjunct, School of Biological Sciences
Ph.D., Johns Hopkins University
- Salvatore J. Catanzaro**
Associate Dean, College of Arts and Sciences
Professor, Psychology
Ph.D., University of Connecticut
- Gary Lynn Cates**
Associate Professor, Psychology
Ph.D., Mississippi State University
- David Cedeno**
Associate Professor, Chemistry
Ph.D., Baylor University
- Sukjung John Chang**
Associate Dean, College of Business Student Advisement
Professor, Finance, Insurance, and Law
Ph.D., University of Maryland-College Park
- Fuxia Cheng**
Associate Professor, Mathematics
Ph.D., Michigan State University
- Hou Tak Cheung**
Department Chairperson
Professor, Biological Sciences
Ph.D., University of Wisconsin-Madison
- Phillip J. Chidester**
Assistant Professor, School of Communication
Ph.D., University of Kansas
- Askar Choudhury**
Associate Professor, Management and Quantitative Methods
D.Phil.Bus.Adm., Arizona State University
- Kyle Emily Ciani**
Associate Professor, History
Ph.D., Michigan State University
- Pauline Clardy**
Assistant Professor, Curriculum and Instruction
Ph.D., University of Illinois-Chicago
- Brian Keith Clark**
Professor, Physics
Ph.D., Missouri University of Science and Technology
- Christine Clark**
Assistant Professor, Special Education
Ph.D., University of Utah
- Neal Raymond Clemens**
Associate Professor, History
Ph.D., Columbia University-New York City
- McKenzie Alexander Clements**
Professor, Mathematics
Ph.D., University of Melbourne
- Linda Marie Clemmons**
Associate Professor, History
Ph.D., University of Illinois-Urbana-Champaign
- Karen S. Coats**
Associate Professor, English
Ph.D., George Washington University
- Margaret Mary Coleman**
Associate Professor, School of Kinesiology and Recreation
Ph.D., University of South Carolina-Columbia
- David Louis Collier**
Associate Professor, School of Music
D.M.A., University of Illinois-Urbana-Champaign
- Mark Edward Comadena**
Professor, School of Communication
Ph.D., Purdue University
- Heather K. Conley**
Assistant Professor, Geography-Geology
Ph.D., University of Iowa
- Martha E. Cook**
Associate Professor, School of Biological Sciences
Ph.D., University of Wisconsin-Madison
- Jeffrey L. Courtright**
Associate Professor, School of Communication
Ph.D., Purdue University
- Anne E. Cox**
Assistant Professor, School of Kinesiology and Recreation
Ph.D., Purdue University
- James Edward Cox, Jr.**
Professor, Marketing
Ph.D., University of Illinois-Urbana-Champaign
- Michaelene D. Cox**
Assistant Professor, Politics and Government
Ph.D., University of Alabama
- Caroline Kern Craig**
Professor, Accounting
Ph.D., University of Illinois-Urbana-Champaign
- Thomas Robert Craig**
Professor, Accounting
Ph.D., University of Illinois-Urbana-Champaign
- Gary L. Creasey**
Professor, Psychology
Ph.D., Virginia Commonwealth University
- Karla Doepke Critchfield**
Associate Professor, Psychology
Ph.D., West Virginia University
- Thomas Scott Critchfield**
Professor, Psychology
Ph.D., West Virginia University
- Austin Lane Crothers**
Professor, Politics and Government
Ph.D., Vanderbilt University
- Galen Burdell Crow**
Professor, School of Information Technology
Ph.D., Illinois State University
- E. Paula Crowley**
Professor, Special Education
Ph.D., University of Virginia
- James A. Crowley**
Director, School of Art
M.F.A., University of Nebraska-Lincoln
- Anthony Crubaugh**
Associate Professor, History
Ph.D., Columbia University-New York City
- Thomas P. Crumpler**
Associate Professor, Curriculum and Instruction
Ph.D., Ohio State University
- Ricardo Cortez Cruz**
Associate Professor, English
M.S., Illinois State University
- Robert Cullen**
Assistant Professor, Family and Consumer Sciences
Ph.D., University of California-Berkeley
- William Richard Cupach**
Professor, School of Communication
Ph.D., University of Southern California
- Deborah J. Curtis**
Dean, College of Education
Professor, Curriculum and Instruction
Ph.D., Indiana State University
- Rodney L. Custer**
Associate Vice President, Research, Graduate, and International Studies
Professor, Technology
Ph.D., University of Missouri-Columbia
- Craig Warren Cutbirth**
Emeriti Faculty, School of Communication
Ph.D., Bowling Green State University
- John Cooper Cutting**
Associate Professor, Psychology
Ph.D., University of Illinois-Urbana-Champaign
- James Edgar Day**
Professor, Geography-Geology
Ph.D., University of Iowa
- Christopher Charles De Santis**
Professor, English
Ph.D., University of Kansas
- Diane R. Dean**
Assistant Professor, Educational Administration and Foundations
Ed.D., Columbia University-New York City
- Mahide Demirci**
Associate Professor, English
Ph.D., Michigan State University
- Paul R. Dennhardt**
Professor, School of Theatre
M.F.A., Western Illinois University
- Terry L. Dennis**
Director, School of Information Technology
Ph.D., Purdue University
- Eros R. Desouza**
Professor, Psychology
Ph.D., University of Missouri-Kansas City
- Harry Seton Deutsch**
Professor, Philosophy
Ph.D., University of California-Los Angeles

- Victor G. Devinatz**
Professor, Management and Quantitative Methods
Ph.D., University of Minnesota-Twin Cities
- Michael Henry Dicker**
Professor, School of Music
M.M., University of Michigan-Ann Arbor
- Marie Digiammarino**
Professor, School of Music
Ed.D., Illinois State University
- Meredith Downes**
Associate Professor, Management and Quantitative Methods
D.Phil.Bus.Adm., Florida International University
- Jonathan M. Druker**
Associate Professor, Languages, Literatures, and Cultures
Ph.D., University of California-Berkeley
- Michael Phillip Dumlér**
Professor, Management and Quantitative Methods
D.B.A., University of Kentucky
- Connie Sue Dyar**
Assistant Professor, Family and Consumer Sciences
M.S., Illinois State University
- Mary J. Dyck**
Assistant Professor, Mennonite College of Nursing
Ph.D., University of Iowa
- Clifford E. Dykstra**
Department Chairperson
Professor, Chemistry
Ph.D., University of California-Berkeley
- Kristin Ann Dykstra**
Associate Professor, English
Ph.D., State University of New York College-Buffalo
- Lucille Teichert Eckrich**
Associate Professor, Educational Administration and Foundations
Ph.D., State University of New York-Buffalo
- Cynthia Edmonds-Cady**
Assistant Professor, School of Social Work
Ph.D., Michigan State University
- Kevin Andrew Edwards**
Associate Professor, School of Biological Sciences
Ph.D., Duke University
- Anne-Katrin Eggert**
Adjunct, School of Biological Sciences
Ph.D., University of Bielefeld
- Roger B. Eggleton**
Professor, Mathematics
Ph.D., University of Calgary
- Thomas E. Eimermann**
Emeriti Faculty, Politics and Government
Ph.D., University of Illinois-Urbana-Champaign
- Donna Eisenstadt-Leippe**
Associate Professor, Psychology
Ph.D., City University of New York-Graduate School & University Center
- Daniel J. Elkins**
Assistant Professor, School of Kinesiology and Recreation
Ph.D., Indiana University-Bloomington
- Nerida Ellerton**
Professor, Mathematics
Ph.D., Victoria University of Wellington
- Katherine Elaine Ellison**
Assistant Professor, English
Ph.D., Emory University
- Saad I. El-Zanati**
Professor, Mathematics
Ph.D., Auburn University
- Cheryl Asper Elzy**
Dean, University Libraries
Professor, Milner Library
C.A.S., University of Illinois-Urbana-Champaign
- Venus E. Evans-Winters**
Assistant Professor, Educational Administration and Foundations
Ph.D., University of Illinois-Urbana-Champaign
- Daniel L. Everett**
Department Chairperson
Professor, Languages, Literatures, and Cultures
Ph.D., Universidade Estadual Decampinas
- David N. Falcone**
Emeriti Faculty, Criminal Justice Sciences
Ph.D., Saint Louis University
- Valeri Farmer-Dougan**
Associate Professor, Psychology
Ph.D., Washington State University
- Angelo Ledesma Favis**
Associate Professor, School of Music
D.M.A., Manhattan School of Music
- Farzaneh Fazel-Sarjui**
Professor, Management and Quantitative Methods
Ph.D., University of Illinois-Urbana-Champaign
- Tomasz A. Fediuk**
Assistant Professor, School of Communication
Ph.D., Michigan State University
- Gregory Ferrence**
Professor, Chemistry
Ph.D., Purdue University
- Richard Dean Finch**
Professor, School of Art
M.F.A., Southern Illinois University-Edwardsville
- Linda Marie Willis Fisher**
Professor, School of Art
Ed.D., Illinois State University
- Robert L. Fisher**
Specialist, University Retiree, Dean of Education
Ed.D., University of Nebraska-Lincoln
- Dale Edward Fitzgibbons**
Associate Professor, Management and Quantitative Methods
Ph.D., University of Illinois-Urbana-Champaign
- George B. Flanigan**
Professor, Finance, Insurance, and Law
Ph.D., University of Iowa
- H. Kassia Fleisher**
Assistant Professor, English
Ph.D., State University of New York-Binghamton
- Timothy C. Fredstrom**
Assistant Professor, School of Music
Ph.D., University of Nebraska-Lincoln
- Dennis Ray French**
Associate Professor, School of Art
M.F.A., University of Illinois-Urbana-Champaign
- Jon Friesen**
Associate Professor, Chemistry
Ph.D., Purdue University
- Barbara M. Fulk**
Professor, Special Education
Ph.D., Purdue University
- Jinadasa Kankanam Gamage**
Professor, Mathematics
Ph.D., University of Windsor
- Dianne C. Gardner**
Assistant Professor, Educational Administration and Foundations
Ph.D., University of Wisconsin-Madison
- Deborah A. Garrahy**
Associate Professor, School of Kinesiology and Recreation
Ph.D., Indiana University-Bloomington
- Paul A. Garriss**
Professor, School of Biological Sciences
Ph.D., Indiana University-Purdue University-Indianapolis
- Craig Gatto**
Associate Professor, School of Biological Sciences
Ph.D., University of Missouri-Columbia
- Shamira Gelbman**
Assistant Professor, Politics and Government
Ph.D., University of Virginia
- Sarah J. Gentry**
Associate Professor, School of Music
Mus.D., Indiana University-Bloomington
- Thomas J. Gerschick**
Associate Professor, Sociology and Anthropology
Ph.D., University of Michigan-Ann Arbor
- Virginia Teas Gill**
Associate Professor, Sociology and Anthropology
Ph.D., University of Wisconsin-Madison
- Michael C. Gizzi**
Associate Professor, Criminal Justice Sciences
Ph.D., State University of New York-Albany
- Jack A. Glascock**
Associate Professor, School of Communication
Ph.D., Michigan State University
- Daniel Joseph Goebel**
Associate Professor, Marketing
D.Phil.Bus.Adm., University of South Florida
- Rajeev Kumar Goel**
Professor, Economics
Ph.D., University of Houston
- Anuradha Ashok Gokhale**
Professor, Technology
Ph.D., Iowa State University
- Stephen Arthur Goodwin**
Professor, Marketing
Ph.D., University of Iowa
- Lonny J. Gordon**
Professor, School of Theatre
M.F.A., University of Wisconsin-Madison
- Sarah Jane Graham**
NTT Instructional Assistant Professor, School of Music
D.M.A., Michigan State University
- Rainer Grobe**
Distinguished Professor, Physics
Ph.D., University of Essen
- Gabriel M. Gudding**
Associate Professor, English
M.F.A., Cornell University
- Tibor Bela Gyires**
Professor, School of Information Technology
Ph.D., Kossuth Lajos University
- Angela Marie Haas**
Assistant Professor, English
Ph.D., Michigan State University
- Johanna Marie Haas**
Assistant Professor, Geography-Geology
Ph.D., Ohio State University
- Christopher Hamaker**
Associate Professor, Chemistry
Ph.D., Iowa State University
- Nina Hamilton**
Associate Professor, School of Social Work
M.S.W., University of Iowa
- Lara J. Handsfield**
Assistant Professor, Curriculum and Instruction
Ph.D., University of Illinois-Urbana-Champaign
- Audrey Jo Hansen**
NTT Instructional Assistant Professor, School of Kinesiology and Recreation
Ed.D., Illinois State University
- John F. Hansen**
Professor, Chemistry
Ph.D., Duke University
- Heidi M. Harbers**
Associate Professor, Communication Sciences and Disorders
Ph.D., University of Illinois-Urbana-Champaign
- Gardenia Harris**
Assistant Professor, School of Social Work
Ph.D., University of Illinois-Urbana-Champaign
- Andrew G. Hartman**
Assistant Professor, History
Ph.D., George Washington University
- Sadri D. Hassani**
Professor, Physics
Ph.D., Princeton University
- Douglas D. Hatch**
Associate Professor, Curriculum and Instruction
Ed.D., University of South Florida

Ann Haugo

Assistant Professor, School of Theatre
Ph.D., University of Illinois-Urbana-Champaign

Bruce Wayne Hawkins

Professor, English
Ph.D., University of California-San Diego

Thomas S. Haynes

Professor, Curriculum and Instruction
Ph.D., Southern Illinois University-Carbondale

Lorie A. Heggie

Associate Professor, Languages, Literatures, and
Cultures
Ph.D., University of Southern California

Byron A. Heidenreich

Associate Professor, Psychology
Ph.D., Indiana University-Bloomington

Masoud Hemmasi

Professor, Management and Quantitative
Methods
Ph.D., Louisiana State University

Mary Lyn Henninger

Assistant Professor, School of Kinesiology and
Recreation
Ed.D., University of Massachusetts-Amherst

Matthew S. Hesson-McInnis

Associate Professor, Psychology
Ph.D., University of Illinois-Urbana-Champaign

Shawn R. Hitchcock

Associate Professor, Chemistry
Ph.D., University of California-Davis

Kathryn Elaine Hoff

Associate Professor, Psychology
Ph.D., Lehigh University

Daniel L. Holland

Professor, Physics
Ph.D., University of California-Los Angeles

Christopher Hollingsworth

Assistant Professor, School of Music
D.M.A., University of Illinois-Urbana-
Champaign

Martha C. Horst

Assistant Professor, School of Music
Ph.D., University of California-Davis

Christopher D. Horvath

Associate Professor, Philosophy
Ph.D., Duke University

Alvin Enis House

Professor, Psychology
Ph.D., University of Tennessee-Knoxville

Doris M. Houston

Assistant Professor, School of Social Work
Ph.D., University of Illinois-Urbana-Champaign

Jack L. Howard

Professor, Management and Quantitative
Methods
Ph.D., University of Illinois-Urbana-Champaign

Thomas Stanley Howe

Professor, Finance, Insurance and Law
Ph.D., Texas Tech University

Brenda Jane Huber

Director, Psychological Services Center,
Psychology
Ph.D., Illinois State University

Cynthia Huff

Professor, English
Ph.D., University of Iowa

Michael Alan Humphreys

Associate Professor, Marketing
Ph.D., Oklahoma State University

Alycia Marilyn Hund

Assistant Professor, Psychology
Ph.D., University of Iowa

Stephen K. Hunt

Associate Professor, School of Communication
Ph.D., Southern Illinois University-Carbondale

Timothy Hunt

Professor, English
Ph.D., Cornell University

Gary L. Hunter

Associate Professor, Marketing
D.Phil.Bus.Adm., University of Kentucky

William John Forbes Hunter

Associate Professor, Chemistry
Ph.D., Purdue University

Amy R. Hurd

Associate Professor, School of Kinesiology and
Recreation
Ph.D., Indiana University-Bloomington

Karrie Sue Ingalsbe

NTT Instructional Assistant Professor,
Mennonite College of Nursing
Ph.D., University of Texas-Austin

Lucian M. Ionescu

Associate Professor, Mathematics
Ph.D., Kansas State University

Arthur F. Iorio

Associate Professor, School of Art
Ph.D., University of Virginia

Patricia A. Jarvis

Professor, Psychology
Ph.D., Virginia Commonwealth University

Radheshyam K. Jayaswal

Distinguished Professor, School of Biological
Sciences
Ph.D., Purdue University

Brenda Recchia Jeffers

Professor, Mennonite College of Nursing
Ph.D., Saint Louis University

Kenneth Frank Jerich

Professor, Curriculum and Instruction
Ed.D., University of Illinois-Urbana-Champaign

Guang Jin

Associate Professor, Health Sciences
D.S., Tulane University

Julie Satkamp Johnson

Associate Professor, School of Art
M.F.A., University of Illinois-Urbana-
Champaign

Melissa A. Johnson

Assistant Professor, School of Art
Ph.D., Bryn Mawr College

Marjorie Ann Jones

Professor, Chemistry
Ph.D., University of Texas Health Science
Center-San Antonio

Jerome Scott Jordan

Professor, Psychology
Ph.D., Northern Illinois University

Heather D. Jordon

Associate Professor, Mathematics
Ph.D., Western Michigan University

Steven Anthony Juliano

Distinguished Professor, School of Biological
Sciences
Ph.D., Pennsylvania State University

Julie Marie Jung

Associate Professor, English
Ph.D., University of Arizona

Hilary Justice

Associate Professor, English
Ph.D., University of Chicago

Gary A. Justis

Associate Professor, School of Art
M.F.A., School of the Art Institute-Chicago

Jeffrey H. Kahn

Professor, Psychology
Ph.D., Iowa State University

James Robert Kalmbach

Professor, English
Ph.D., Michigan State University

Susan Mary Kalter

Associate Professor, English
Ph.D., University of California-San Diego

Han Bin Kang

Professor, Finance, Insurance and Law
Ph.D., University of Illinois-Urbana-Champaign

Hyun-Sook Kang

Assistant Professor, English
Ph.D., University of Pennsylvania

Jong G. Kang

Professor, School of Communication
Ph.D., University of Massachusetts-Amherst

Khondkar R. Karim

Professor, Physics
Ph.D., University of Oregon

Alan Jeffrey Katz

Professor, School of Biological Sciences
Ph.D., Ohio State University

Ross Kennedy

Associate Professor, History
Ph.D., University of California-Berkeley

Sesha Rajani Kumari Kethineni

Professor, Criminal Justice Sciences
Ph.D., Rutgers University-Newark

Susan M. Kim

Associate Professor, English
Ph.D., University of Chicago

Elizabeth M. King

Associate Professor, Geography-Geology
Ph.D., University of Wisconsin-Madison

George Claude Kiser

Associate Professor, Politics and Government
Ph.D., University of Massachusetts-Amherst

Gary Martin Klass

Associate Professor, Politics and Government
Ph.D., State University of New York-
Binghamton

Patricia Harrington Klass

Department Chairperson,
Professor, Educational Administration and
Foundations
Ph.D., Illinois State University

Sandra Lee Klitzing

Associate Professor, School of Kinesiology and
Recreation
Ph.D., University of Illinois-Urbana-Champaign

John M. Koch

Associate Professor, School of Music
M.M., University of Cincinnati

William K. Koehler

Professor, School of Music
D. Music Ed., Indiana University-Bloomington

Gary Koppenhaver

Department Chairperson
Professor, Finance, Insurance and Law
Ph.D., University of Iowa

Susan Kossman

Associate Professor, Mennonite College of
Nursing
Ph.D., Illinois State University

John Christian Kostelnick

Assistant Professor, Geography-Geology
Ph.D., University of Kansas

Jeffery Michael Kramer

Adjunct, School of Biological Sciences
Ph.D., University of Illinois-Urbana-Champaign

Jessie Lyn Krienert

Associate Professor, Criminal Justice Sciences
Ph.D., University of Nebraska-Omaha

Darrell P. Kruger

Associate Dean, College of Education
Associate Professor, Curriculum and Instruction
Ph.D., Louisiana State University

Cynthia M. Kukla

Professor, School of Art
M.F.A., University of Wisconsin-Madison

Lydia S. Kyei-Blankson

Assistant Professor, Educational Administration
and Foundations
Ph.D., Ohio University

Marie E. Labonville

Associate Professor, School of Music
Ph.D., University of California-Santa Barbara

Donald Emile Lacasse, Jr.

Professor, School of Theatre
Ph.D., Michigan State University

Alan Connally Lacy

Associate Dean, College of Applied Science and
Technology

Professor, School of Kinesiology and Recreation
Ed.D., Arizona State University

Kristen Marie Lagally

Associate Professor, School of Kinesiology and
Recreation
Ph.D., University of Pittsburgh

Steven Edward Landau

Professor, Psychology
Ph.D., University of Iowa

Cynthia Langrall

Professor, Mathematics
Ph.D., University of Maryland-College Park

- Arved M. Larsen**
Professor, School of Music
Ph.D., Catholic University of America
- Erik D. Larson**
Assistant Professor, School of Biological Sciences
Ph.D., Indiana University-Bloomington
- Maribeth Nelson Lartz**
Professor, Special Education
Ph.D., University of Illinois-Urbana-Champaign
- Timothy David Lash**
Distinguished Professor, Chemistry
Ph.D., University of Wales
- Nancy Irene Latham**
Assistant Professor, Curriculum and Instruction
Ed.D., Illinois State University
- Kevin Laudner**
Associate Professor, School of Kinesiology and Recreation
Ph.D., University of Pittsburgh
- Jin S. Lee**
Professor, School of Art
M.F.A., School of the Art Institute-Chicago
- Linda Marie Leinicke**
Professor, Accounting
Ph.D., University of Mississippi
- Michael Leippe**
Department Chairperson, Dean of Arts and Sciences
Ph.D., Ohio State University
- Wilbert Marcellus Leonard, II**
Professor, Sociology and Anthropology
Ph.D., Ohio State University
- Alan H. Lessoff**
Professor, History
Ph.D., Johns Hopkins University
- Claire Lieberman**
Associate Professor, School of Art
M.F.A., Pratt Institute
- Daniel Liechty**
Associate Professor, School of Social Work
TH.D., University of Vienna
- Bee Lee Lim**
Professor, School of Information Technology
Ph.D., University of Louisiana at Lafayette
- Zeng Lin**
Associate Professor, Educational Administration and Foundations
Ph.D., York University-Toronto
- Karen K. Lind**
Professor, Curriculum and Instruction
Ed.D., University of Louisville
- Nancy Susan Lind**
Professor, Politics and Government
Ph.D., University of Minnesota-Twin Cities
- Deborah L. Lindberg**
Professor, Accounting
D.B.A., Boston University
- Lance Lippert**
Associate Professor, School of Communication
Ph.D., Southern Illinois University-Carbondale
- Sabine Susanne Loew**
Associate Professor, School of Biological Sciences
Ph.D., State University of New York-Stony Brook
- Larry Wayne Long**
Director, School Of Communication
Professor, School Of Communication
Ph.D., University of Oklahoma-Norman
- Timothy A. Longfellow**
Department Chairperson
Associate Professor, Marketing
D.B.A., University of Kentucky
- David G. Loomis**
Associate Professor, Economics
Ph.D., Temple University
- Anthony W. Lorschbach**
Professor, Curriculum and Instruction
Ph.D., Florida State University
- Douglas Love**
Associate Professor, Accounting
Ph.D., University of Illinois-Urbana-Champaign
- Chad M Lowell**
Specialist, Production Supervisor, School of Theatre
M.F.A., University of Georgia
- Lauren M. Lowell**
Assistant Professor, School of Theatre
M.F.A., University of Georgia
- Thomas Lucey**
Assistant Professor, Curriculum and Instruction
Ed.D., The University of Memphis
- Elizabeth T. Lugg**
Associate Professor, Educational Administration and Foundations
Ph.D., University of Iowa
- John Albert Lust**
Associate Dean, College of Business
Professor, Management and Quantitative Methods
D.B.A., University of Kentucky
- Linda Lyman**
Professor, Educational Administration and Foundations
Ph.D., University of Nebraska-Lincoln
- Julie A. Mack**
Professor, School of Theatre
M.F.A., Purdue University
- Richard MacMinn**
Endowed Chair, Finance, Insurance and Law
Ph.D., University of Illinois-Urbana-Champaign
- Pruthikrai Mahatanankoon**
Associate Professor, School of Information Technology
Ph.D., Claremont Graduate University
- James L. Mai**
Associate Professor, School of Art
M.F.A., University of Wyoming
- Amy Gilreath Major**
Professor, School of Music
D.M.A., University of Illinois-Urbana-Champaign
- James Edward Major**
Dean, College of Fine Arts
Professor, School of Music
Ph.D., University of Wisconsin-Madison
- Patricia Barrett Malik**
Adjunct, School of Kinesiology and Recreation
Ph.D., University of Illinois-Urbana-Champaign
- Caroline Marie Mallory**
Associate Professor, Mennonite College of Nursing
Ph.D., Indiana University-Purdue University-Indianapolis
- David Henry Malone**
Department Chairperson
Professor, Geography-Geology
Ph.D., University of Wisconsin-Madison
- Krishna Kumari Manavalli**
Assistant Professor, English
Ph.D., Michigan State University
- Christopher Marino**
Assistant Professor, School of Theatre
M.F.A., George Washington University
- Karen Ingrid Mark**
Coordinator, Clinical Counseling & Career Programs, Psychology
Ph.D., University of Texas-Austin
- Thomas J. Marko**
Associate Professor, School of Music
D.A., University of Northern Colorado
- Nick Gerald Maroules**
Associate Professor, Sociology and Anthropology
Ph.D., University of California-San Diego
- Rosanne G. Marshack**
Assistant Professor, School of Music
M.F.A., University of Illinois-Urbana-Champaign
- Richard F. Martin, Jr.**
Department Chairperson
Professor, Physics
Ph.D., University of Illinois-Urbana-Champaign
- Tami Susan Martin**
Associate Professor, Mathematics
Ed.D., Boston University
- David T. Marx**
Assistant Professor, Physics
Ph.D., Illinois Institute of Technology
- Hiroshi Matsuoka**
Associate Professor, Physics
Ph.D., University of Illinois-Urbana-Champaign
- Dawn Marie McBride**
Associate Professor, Psychology
Ph.D., University of California-Irvine
- William Thomas McBride**
Associate Professor, English
Ph.D., State University of New York-Buffalo
- Steven Thomas McCaw**
Acting Associate Dean, College of Applied Science and Technology
Professor, School of Kinesiology and Recreation
Ph.D., University of Oregon
- Phyllis A. McCluskey-Titus**
Associate Professor, Educational Administration and Foundations
Ed.D., Florida State University
- Kimberly A. McCord**
Associate Professor, School of Music
D. Music Ed., University of Northern Colorado
- Chad Dowrick McEvoy**
Associate Professor, School of Kinesiology and Recreation
Ed.D., University of Northern Colorado
- Charles Robert McGuire**
Dean, College of Business
Professor, Finance, Insurance and Law
J.D., University of Illinois-Urbana-Champaign
- John P. McHale**
Associate Professor, School of Communication
Ph.D., University of Missouri-Columbia
- Gerald William McKean**
Acting Department Chairperson
Emeriti Faculty, Accounting
Ph.D., Illinois State University
- Kathleen McKinney**
Endowed Chair, Office of the Vice President and Provost
Professor, Sociology and Anthropology
Ph.D., University of Wisconsin-Madison
- Rhonda McKinney**
Professor, School of Art
M.F.A., University of Illinois-Urbana-Champaign
- Craig C. McLaughlan**
Associate Professor, Chemistry
Ph.D., Northwestern University
- Jack McLaughlin**
Professor, School of Theatre
M.A., University of Michigan-Ann Arbor
- Robert McLaughlin**
Professor, English
Ph.D., Fordham University
- Todd A. McLoda**
Associate Professor, School of Kinesiology and Recreation
Ph.D., Ohio University
- Hedda Meadan-Kaplansky**
Assistant Professor, Special Education
Ph.D., University of Illinois-Chicago
- Ronald Lowell Meier**
Professor, Technology
Ph.D., University of Missouri-Columbia
- Sherry L. Meier**
Associate Professor, Mathematics
Ph.D., University of Missouri-Columbia
- Jean Ann Memken**
Associate Professor, Family and Consumer Sciences
Ph.D., Iowa State University
- Chris P. Merrill**
Associate Professor, Technology
Ph.D., Ohio State University
- Phyllis M. Metcalf**
Department Chairperson
Professor, Curriculum and Instruction
Ph.D., University of Minnesota-Twin Cities
- Sandra Mae Metts**
Professor, School of Communication
Ph.D., University of Iowa

- Barbara B. Meyer**
Associate Professor, Curriculum and Instruction
Ed.D., The University of Memphis
- Adena Beth Meyers**
Associate Professor, Psychology
Ph.D., University of Illinois-Urbana-Champaign
- Gregory Michie**
Assistant Professor, Curriculum and Instruction
Ph.D., University of Illinois-Chicago
- Marion M. Micke**
Associate Professor, Health Sciences
Ph.D., University of Oregon
- E. Joan Miller**
Adjunct, Geography-Geology
Ph.D., U of North Carolina-Chapel Hill
- Montserrat Mir**
Associate Professor, Languages, Literatures, and Cultures
Ph.D., University of Illinois-Urbana-Champaign
- Edward L. Mockford**
Adjunct, School of Biological Sciences
Ph.D., U of Illinois-Urbana-Champaign
- Mary Anne S. Moffitt**
Professor, School of Communication
Ph.D., University of Illinois-Urbana-Champaign
- Judith Ann Mogilka**
Associate Professor, Educational Administration and Foundations
Ph.D., University of Illinois-Urbana-Champaign
- Hassan Mohammadi**
Professor, Economics
Ph.D., Washington State University
- Jawahar I. Mohammed**
Department Chairperson
Professor, Management and Quantitative Methods
Ph.D., Oklahoma State University
- Edward S. Mooney**
Associate Professor, Mathematics
Ph.D., Illinois State University
- Aaron Scott Moore**
Associate Professor, Agriculture
Ph.D., University of Illinois-Urbana-Champaign
- Cynthia J. Moore**
Associate Professor, School of Biological Sciences
Ph.D., Temple University
- Marilyn K. Moore**
Associate Dean
Professor, Curriculum and Instruction
Ed.D., Northern Illinois University
- Carlyn Gay Morenus**
Associate Professor, School of Music
D.M.A., University of Texas-Austin
- Vicky Lee Morgan**
Professor, Curriculum and Instruction
Ph.D., University of Nebraska-Lincoln
- Frank T. Morn**
Professor, Criminal Justice Sciences
Ph.D., University of Chicago
- Marilyn Jean Morrow**
Department Chairperson
Associate Professor, Health Sciences
Ph.D., Southern Illinois University-Carbondale
- Rita Kay Moss**
Associate Vice President, Academic Administration
Professor, Curriculum and Instruction
Ph.D., Texas A & M University
- Christopher Charles Mulligan**
Assistant Professor, Chemistry
Ph.D., Purdue University
- Joan A. Mullin**
Department Chairperson
Professor, English
Ph.D., Loyola University of Chicago
- Jan Marie Murphy**
Associate Provost
Professor, Family and Consumer Sciences
Ph.D., University of Nebraska-Lincoln
- Richard Nagorski**
Associate Professor, Chemistry
Ph.D., University of Alberta
- Gurramkonda Narasimulu Naidu**
Professor, Finance, Insurance and Law
Ph.D., University of Iowa
- Kimberly Ann Nance**
Director, Graduate Studies
Professor, Languages, Literatures, and Cultures
Ph.D., University of Illinois-Urbana-Champaign
- Issam Raji Nassar**
Assistant Professor, History
D.A., Illinois State University
- Margaret Mary Nauta**
Professor, Psychology
Ph.D., Iowa State University
- Joe Wilson Neisler**
Associate Professor, School of Music
Mus.D., Indiana University-Bloomington
- Robert Stanley Nelson**
Associate Professor, Geography-Geology
Ph.D., University of Iowa
- Janice Grace Neuleib**
Professor, English
Ph.D., University of Illinois-Urbana-Champaign
- Kenneth Edward Newgren**
Professor, Management and Quantitative Methods
Ph.D., University of Georgia
- Nancy N. Nichols**
Adjunct, School of Biological Sciences
Ph.D., University of Iowa
- Wade A. Nichols**
Associate Professor, School of Biological Sciences
Ph.D., University of Iowa
- Nweze E. Nnakwe**
Professor, Family and Consumer Sciences
Ph.D., University of Nebraska-Lincoln
- Paul Nolen**
Assistant Professor, School of Music
D.M.A., Michigan State University
- Edgar A. Norton**
Professor, Finance, Insurance and Law
Ph.D., University of Illinois-Urbana-Champaign
- Mohamed A. Nur-Awalch**
Associate Professor, Educational Administration and Foundations
Ed.D., State University of New York-Albany
- William J. O'Donnell**
Associate Professor, School of Art
M.F.A., School of the Art Institute-Chicago
- Patrice Elizabeth Olsen**
Associate Professor, History
Ph.D., Pennsylvania State University
- Gary A. Olson**
Dean, College of Arts And Sciences
Professor, English
Ph.D., Indiana University of Pennsylvania
- Nathalie Opdebeek**
Associate Professor, English
Ph.D., University of Pittsburgh
- Melissa Daliyah Oresky**
Associate Professor, School of Art
M.F.A., University of Illinois-Chicago
- Patrick Daniel O'Rourke**
Professor, Agriculture
Ph.D., Purdue University
- Leslie Sloan Orr**
Associate Professor, School of Theatre
Ph.D., Wayne State University
- Krzysztof Ostaszewski**
Professor, Mathematics
Ph.D., University of Washington-Seattle
- Joyce A. Ostrosky**
Professor, Accounting
Ph.D., University of Mississippi
- Patrick O'Sullivan**
Director, Center for Teaching, Learning and Technology
Associate Professor, School of Communication
Ph.D., University of California-Santa Barbara
- Anthony John Otsuka**
Professor, School of Biological Sciences
Ph.D., University of California-San Diego
- Stacy L. Otto**
Associate Professor, Educational Administration and Foundations
Ph.D., University of North Carolina-Chapel Hill
- Joseph Pacha**
Assistant Professor, Educational Administration and Foundations
Ed.D., Drake University
- George Padavil**
Associate Professor, Educational Administration and Foundations
Ph.D., University of Illinois-Urbana-Champaign
- James C. Palmer**
Professor, Educational Administration and Foundations
Ph.D., University of California-Los Angeles
- James Joseph Pancrazio**
Associate Professor, Languages, Literatures, and Cultures
Ph.D., University of Illinois-Urbana-Champaign
- Maria T. Pao**
Associate Professor, Languages, Literatures, and Cultures
Ph.D., University of Michigan-Ann Arbor
- Howard Phillips Parette**
Endowed Chair, Special Education
Ed.D., University of Alabama
- Borinara Park**
Assistant Professor, Technology
Ph.D., Virginia Polytechnic Institute & State University
- Carlos Parodi**
Professor, Politics and Government
Ph.D., University of Pittsburgh
- Sally E. Parry**
Associate Dean, College of Arts and Sciences
Ph.D., Fordham University
- Stephen B. Parsons**
Director, School Of Music
D.M.A., University of Kansas
- Dennis Michael Patten**
Professor, Accounting
Ph.D., University of Nebraska-Lincoln
- James Payne**
Department Chairperson
Professor, Economics
Ph.D., Florida State University
- Kim Pereira**
Director, Honors Program
Professor, Office of the Provost
Ph.D., Florida State University
- Louis Gabriel Perez**
Professor, History
Ph.D., University of Michigan-Ann Arbor
- Stephen D. Perry**
Professor, School of Communication
Ph.D., University of Alabama
- William L. Perry**
Associate Professor, School of Biological Sciences
Ph.D., University of Notre Dame
- Steven Joseph Peters**
Assistant Professor, Chemistry
Ph.D., Indiana University-Bloomington
- Eric Wade Peterson**
Associate Professor, Geography-Geology
Ph.D., University of Missouri-Columbia
- George Peterson-Karlan**
Professor, Special Education
Ph.D., University of Kansas
- Karen S. Pfost**
Associate Professor, Psychology
Ph.D., University of Missouri-Columbia
- William Philpott**
Assistant Professor, History
Ph.D., University of Wisconsin-Madison
- Michael John Plantholt**
Professor, Mathematics
Ph.D., University of Michigan-Ann Arbor
- John Russell Poole**
Acting Director
Associate Professor, School Of Theatre
Ph.D., University of Georgia

- Susan G. Prendergast**
Associate Professor, Communication Sciences
and Disorders
Ph.D., University of Illinois-Urbana-Champaign
- John W. Presley**
Professor, Educational Administration and
Foundations
Ph.D., Southern Illinois University-Carbondale
- Norma C. Presmeg**
Professor, Mathematics
Ph.D., University of Cambridge
- Robert Leslie Preston**
Professor, School of Biological Sciences
Ph.D., University of California-Irvine
- John Barron Pryor**
Professor, Psychology
Ph.D., Princeton University
- Jihad Qaddour**
Associate Professor, School of Information
Technology
Ph.D., Wichita State University
- Robert W. Quandt**
Associate Professor, Chemistry
Ph.D., North Dakota State University
- Cara Elizabeth Rabe-Hemp**
Assistant Professor, Criminal Justice Sciences
Ph.D., University of Illinois-Chicago
- Ramaswamy Radhakrishnan**
Professor, Management and Quantitative
Methods
Ph.D., Carnegie Mellon University
- James C. Raines**
Associate Professor, School of Social Work
Ph.D., Loyola University of Chicago
- Rati Ram**
Distinguished Professor, Economics
Ph.D., University of Chicago
- Scott David Rankin**
Professor, School of Art
M.F.A., University of California-Los Angeles
- Adriana Y LaRosa Ransom**
Assistant Professor, School of Music
D.M.A., University of Minnesota-Twin Cities
- Robert Lee Rariden**
Associate Professor, School of Information
Technology
Ph.D., University of Miami
- Jo Ann Rayfield**
Specialist, University Retiree, Milner Library
Ph.D., Vanderbilt University
- Gordon M. Redding**
Adjunct, Psychology
Ph.D., University of Wisconsin-Madison
- Toure F. Reed**
Associate Professor, History
Ph.D., Columbia University-New York City
- Glenn David Reader**
Distinguished Professor, Psychology
Ph.D., University of California-Santa Barbara
- Marla J. Reese-Weber**
Associate Professor, Psychology
Ph.D., Ohio State University
- James Herbert Reid**
Professor, Languages, Literatures, and Cultures
Ph.D., Yale University
- Louis G. Reifschneider**
Associate Professor, Technology
Ph.D., Ohio State University
- Shang-Fen Ren**
Professor, Physics
Ph.D., Texas A & M University
- Paula Ressler**
Associate Professor, English
Ph.D., New York University
- Robert Rhykerd**
Acting Department Chairperson
Associate Professor, Agriculture
Ph.D., Texas A & M University
- Ali Riaz**
Department Chairperson
Professor, Politics and Government
Ph.D., University of Hawaii-Manoa
- Beverly Susan Rich**
Associate Professor, Mathematics
Ph.D., University of Iowa
- Daniel P. Rich**
Professor, Economics
Ph.D., University of Houston
- Jay Strand Rich**
Associate Professor, Accounting
Ph.D., University of Illinois-Urbana-Champaign
- Wayne Allen Riddle**
Adjunct, School of Biological Sciences
Ph.D., University of New Mexico
- Rodney Paul Riegle**
Emeriti Faculty, Educational Administration and
Foundations
Ph.D., Ohio State University
- Richard C. Ringer**
Associate Professor, Management and
Quantitative Methods
Ph.D., University of Colorado-Boulder
- Kimberly Risinger**
Professor, School of Music
D.M.A., University of Maryland-College Park
- Rocio Rivadeneyra**
Assistant Professor, Psychology
Ph.D., University of Michigan-Ann Arbor
- Lori A. Riverstone-Newell**
Assistant Professor, Politics and Government
Ph.D., University of Tennessee-Knoxville
- Amy Elizabeth Robillard**
Assistant Professor, English
Ph.D., Syracuse University
- Cindy Ramseyer Ropp**
Assistant Professor, School of Music
Ed.D., Illinois State University
- Epaminondas Rosa, Jr.**
Associate Professor, Physics
Ph.D., University of Minnesota-Twin Cities
- Jonathan M. Rosenthal**
Associate Vice President, Enrollment
Management and Academic Services
Ph.D., Princeton University
- David Alan Rubin**
Associate Professor, School of Biological
Sciences
Ph.D., University of Denver
- John Kipngeno Rugutt**
Associate Professor, Educational Administration
and Foundations
Ph.D., Louisiana State University
- Gail Russ**
Associate Professor, Management and
Quantitative Methods
Ph.D., Texas A & M University-Galveston
- George H. Rutherford**
Associate Professor, Physics
Ph.D., Rice University
- Scott Kitchener Sakaluk**
Director, Research and Sponsored Programs
Professor, School of Biological Sciences
Ph.D., University of Toronto
- Gary Salegna**
Professor, Management and Quantitative
Methods
Ph.D., Texas Tech University
- Kathryn Elizabeth Sampeck**
Assistant Professor, Sociology and
Anthropology
Ph.D., Tulane University
- Richard Eugene Satchwell**
Sponsored Project, Research Coordinator,
Milner Library
Ph.D., University of Illinois-Urbana-Champaign
- Rebecca Ann Saunders**
Professor, English
Ph.D., University of Wisconsin-Madison
- Gerald J. Savage**
Professor, English
Ph.D., Michigan Technological University
- Thomas P. Schambach**
Associate Professor, Accounting
Ph.D., University of South Florida
- Barbara E. Schlatter**
Associate Professor, School of Kinesiology and
Recreation
Ph.D., University of Illinois-Urbana-Champaign
- Klaus Schmidt**
Associate Professor, Technology
Ph.D., University of Missouri-Columbia
- Kimberly Taylor Schneider**
Associate Professor, Psychology
Ph.D., University of Illinois-Urbana-Champaign
- William Joel Schneider**
Assistant Professor, Psychology
Ph.D., Texas A & M University
- Elizabeth M. Scott**
Assistant Professor, Sociology and
Anthropology
Ph.D., University of Minnesota-Twin Cities
- William Lon Scott**
Professor, Finance, Insurance and Law
Ph.D., University of Houston
- John C. Sedbrook**
Associate Professor, School of Biological
Sciences
Ph.D., University of Wisconsin-Madison
- George F. Seelinger**
Department Chairperson
Associate Professor, Mathematics
Ph.D., University of Texas-Austin
- Elke Segelcke**
Associate Professor, Languages, Literatures, and
Cultures
Ph.D., University of North Carolina-Chapel Hill
- Sara Semonis**
Assistant Professor, School of Theatre
M.F.A., University of Iowa
- Jonathan K. Shapiro**
Assistant Professor, Politics and Government
Ph.D., Johns Hopkins University
- C. Frank Shaw**
Professor, Chemistry
Ph.D., Northwestern University
- Noha S. Shawk**
Assistant Professor, Politics and Government
Ph.D., Indiana University-Bloomington
- Debra Lee Sheldon**
Associate Professor, Special Education
Ph.D., University of Illinois-Urbana-Champaign
- John Charles Shields**
Distinguished Professor, English
Ph.D., University of Tennessee-Knoxville
- Thomas W. Shilgalis**
Emeriti Faculty, Mathematics
Ph.D., University of Illinois-Urbana-Champaign
- Linda S. Showers**
Professor, Marketing
Ph.D., Ohio State University
- Thomas W. Simon**
Professor, Philosophy
Ph.D., Washington University
- Brent K. Simonds**
Assistant Professor, School of Communication
Ed.D., Illinois State University
- Cheri J. Simonds**
Professor, School of Communication
Ph.D., University of Oklahoma-Norman
- Rodger B. Singley**
Professor, Marketing
Ph.D., Texas Tech University
- Papa Amar Sissokho**
Assistant Professor, Mathematics
Ph.D., Emory University
- Neil Thomas Skaggs**
Professor, Economics
Ph.D., Duke University
- James M. Skibo**
Professor, Sociology and Anthropology
Ph.D., University of Arizona
- Joseph J. Smaldino**
Department Chairperson
Professor, Communication Sciences and
Disorders
Ph.D., University of Florida

- Sarah Smelser**
Associate Professor, School of Art
M.F.A., University of Iowa
- Kenneth Donald Smicklas**
Associate Professor, Agriculture
Ph.D., University of Illinois-Urbana-Champaign
- Beatrice Barbara Smith**
Associate Professor, Curriculum and Instruction
D.A., Illinois State University
- Fred Hines Smith**
Department Chairperson
Professor, Sociology and Anthropology
Ph.D., University of Michigan-Ann Arbor
- K. Aaron Smith**
Associate Professor, English
Ph.D., University of New Mexico
- Maria Ostendorf Smith**
Associate Professor, Sociology and Anthropology
Ph.D., University of Tennessee-Knoxville
- Peter James Smith**
Associate Professor, School of Kinesiology and Recreation
Ed.D., University of Houston
- Susan Livingston Smith**
Sponsored Project, Administrator, School of Social Work
M.S.W., University of Tennessee-Knoxville
- Peter Martin Smudde**
Assistant Professor, School of Communication
Ph.D., Wayne State University
- David Wayne Snyder**
Professor, School of Music
D. Music Ed., University of Cincinnati
- Richard John Soderlund**
Assistant Professor, History
Ph.D., University of Maryland-College Park
- Joseph J. Solberg**
Professor, Finance, Insurance and Law
J.D., Loyola University of Chicago
- Aslihan D. Spaulding**
Assistant Professor, Agriculture
Ph.D., University of Kentucky
- Susan Kay Sprecher**
Professor, Sociology and Anthropology
Ph.D., University of Wisconsin-Madison
- Jean Standard**
Professor, Chemistry
Ph.D., University of Wisconsin-Madison
- James Michael Stanlaw**
Professor, Sociology and Anthropology
Ph.D., University of Illinois-Urbana-Champaign
- John Charles Stark**
Professor, School of Theatre
M.F.A., University of Nebraska-Lincoln
- Stephen Kay Steele**
Professor, School of Music
D.M.A., University of Arizona
- Richard Wayne Steffen**
Associate Professor, Agriculture
Ph.D., Iowa State University
- Michael Jonathan Stevens**
Professor, Psychology
Ph.D., University of Missouri-Columbia
- Edward Oneil Stewart**
Associate Professor, School of Art
Ph.D., University of Missouri-Columbia
- Todd M. Stewart**
Assistant Professor, Philosophy
Ph.D., University of Arizona
- Kenneth William Stier**
Professor, Technology
Ed.D., Illinois State University
- S. Liane Stillwell**
Associate Professor, Philosophy
Ph.D., Purdue University
- Richard A. Stivers**
Adjunct, Sociology and Anthropology
Ph.D., Southern Illinois University-Carbondale
- Julia Brown Stoner**
Assistant Professor, Special Education
Ed.D., Illinois State University
- Ronald L. Strickland**
Professor, English
Ph.D., Syracuse University
- Qichang Su**
Professor, Physics
Ph.D., University of Rochester
- Michael D. Sublett**
Professor, Geography-Geology
Ph.D., University of Chicago
- Jan Christopher Susina**
Professor, English
Ph.D., Indiana University-Bloomington
- Mark Edward Swerdlik**
Professor, Psychology
Ph.D., Michigan State University
- James K. Swindler**
Department Chairperson
Professor, Philosophy
Ph.D., University of Kansas
- Lisa F. Szczepura**
Associate Professor, Chemistry
Ph.D., State University of New York College-Buffalo
- Bernard Tamas**
Assistant Professor, Politics and Government
Ph.D., Rutgers University-New Brunswick
- Steven Arthur Taylor**
Professor, Marketing
Ph.D., Florida State University
- Kulathavarane Thiagarajah**
Associate Professor, Mathematics
Ph.D., University of Windsor
- David Quinn Thomas**
Acting Director
Professor, School Of Kinesiology and Recreation
Ph.D., Arizona State University
- Roger K. Thomas**
Professor, Languages, Literatures, and Cultures
Ph.D., Indiana University-Bloomington
- Charles Frederick Thompson**
Adjunct, School of Biological Sciences
Ph.D., Indiana University-Bloomington
- James Richard Thompson**
Professor, Special Education
Ph.D., University of Minnesota-Twin Cities
- Torri Leigh Thompson**
Professor, English
Ph.D., University of Texas-Austin
- Laurie L. Thompson-Merriman**
Professor, School of Theatre
M.F.A., University of Illinois-Urbana-Champaign
- Shailesh Kumar Tipnis**
Professor, Mathematics
Ph.D., Cornell University
- Renee Margaret Tobin**
Associate Professor, Psychology
Ph.D., Texas A & M University
- Cheri A. Toledo**
Associate Professor, Curriculum and Instruction
Ed.D., Alliant International University
- Tuyen T. Tonnu**
Assistant Professor, School of Music
M.F.A., State University of New York-Stony Brook
- Maura I. Toro-Morn**
Professor, Sociology and Anthropology
Ph.D., Loyola University of Chicago
- Joseph William Trefzger**
Professor, Finance, Insurance and Law
Ph.D., University of Illinois-Urbana-Champaign
- Roberta Trites**
Professor, English
Ph.D., Baylor University
- Mary S. Trouille**
Professor, Languages, Literatures, and Cultures
Ph.D., Northwestern University
- Wendy G. Troxel**
Assistant Professor, Educational Administration and Foundations
Ed.D., University of Alabama-Birmingham
- Kerry William Tudor**
Professor, Agriculture
Ph.D., Iowa State University
- Douglas P. Twitchell**
Assistant Professor, School of Information Technology
Ph.D., University of Arizona
- Stephen J. Van der Hoven**
Associate Professor, Geography-Geology
Ph.D., University of Utah
- James Van Der Laan**
Professor, Languages, Literatures, and Cultures
Ph.D., University of Illinois-Urbana-Champaign
- Carson Hamill Varner**
Professor, Finance, Insurance and Law
J.D., University of Oklahoma-Norman
- Iris Zerbe Varner**
Professor, Management and Quantitative Methods
Ph.D., University of Oklahoma-Norman
- Michael J. Vetere**
Assistant Professor, School of Theatre
M.F.A., Virginia Commonwealth University
- Joaquin A. Vila Ruiz**
Professor, School of Information Technology
Ph.D., Missouri University of Science and Technology
- Laura Anne Vogel**
Associate Professor, School of Biological Sciences
Ph.D., Medical College of Ohio
- Michelle J. Vought**
Associate Professor, School of Music
D.M.A., University of Cincinnati
- Jeffrey B. Wagman**
Assistant Professor, Psychology
Ph.D., University of Connecticut
- Mark Stephen Walbert**
Associate Vice President, Academic Information Technology
Associate Professor, Economics
Ph.D., University of New Mexico
- Leslie Pamela Walden**
Assistant Professor, School of Theatre
Ed.D., Temple University
- John H. Walker**
Associate Dean, College of Fine Arts
Professor, School of Art
M.F.A., East Tennessee State University
- Paul Montgomery Walker**
Professor, Agriculture
Ph.D., University of Illinois-Urbana-Champaign
- David Charles Wallace**
Assistant Professor, School of Information Technology
Ph.D., University of Illinois-Urbana-Champaign
- Jeffrey A. Walsh**
Assistant Professor, Criminal Justice Sciences
Ph.D., California State University-Fresno
- Kent A. Walstrom**
Associate Professor, Accounting
Ph.D., Oklahoma State University
- Connor M. Walters**
Department Chairperson
Professor, Family and Consumer Sciences
Ph.D., Ohio State University
- Chen Xu Wang**
Adjunct, School of Biological Sciences
Ph.D., Catholic University of Louvain
- Te-Yu Wang**
Professor, Politics and Government
Ph.D., State University of New York-Buffalo
- Emily Watts**
Associate Professor, Special Education
Ph.D., University of Illinois-Urbana-Champaign
- Julie Ann Webber**
Associate Professor, Politics and Government
Ph.D., Purdue University
- David Frederick Weber**
Emeriti Faculty, School of Biological Sciences
Ph.D., Indiana University-Bloomington
- Linda Lee Wedwick**
Assistant Professor, Curriculum and Instruction
Ed.D., Illinois State University

- Charles Andrew Weeks**
Professor, Languages, Literatures, and Cultures
Ph.D., University of Illinois-Urbana-Champaign
- Kathryn Conley Wehrmann**
Associate Professor, School of Social Work
Ph.D., University of Illinois-Urbana-Champaign
- Gary A. Weilbacher**
Associate Professor, Curriculum and Instruction
Ph.D., University of Wisconsin-Whitewater
- Ralph Albert Weisheit**
Distinguished Professor, Criminal Justice Sciences
Ph.D., Washington State University
- Sharon Lee Weldon**
Assistant Professor, Chemistry
Ph.D., University of California-San Diego
- Lloyd Edward Wells**
Professor, Criminal Justice Sciences
Ph.D., University of Wisconsin-Madison
- Rick Charles Whitacre**
Professor, Agriculture
Ph.D., University of Illinois-Urbana-Champaign
- Curtis Keith White**
Distinguished Professor, English
Ph.D., University of Iowa
- Douglas W. Whitman**
Professor, School of Biological Sciences
Ph.D., University of California-Berkeley
- Brian James Wilkinson**
Distinguished Professor, School of Biological Sciences
Ph.D., University of Sheffield
- Michael J. Wille**
Associate Professor, School of Art
M.F.A., Bowling Green State University
- Marion C. Willetts**
Associate Professor, Sociology and Anthropology
Ph.D., University of Florida
- David Lee Williams**
Adjunct, School of Biological Sciences
Ph.D., University of Illinois-Urbana-Champaign
- Michael Roy Williams**
Professor, Marketing
Ph.D., Oklahoma State University
- Daniel G. Wilson**
Professor, Technology
D. Ind. Tech., University of Northern Iowa
- Denise D. Wilson**
Associate Professor, Mennonite College of Nursing
Ph.D., Illinois State University
- Janet M. Wilson**
Associate Professor, School of Theatre
M.F.A., Virginia Commonwealth University
- Mardell Alvena Wilson**
Assistant Provost
Associate Professor, Family and Consumer Sciences
Ed.D., Illinois State University
- John Randall Winter**
Professor, Agriculture
Ph.D., Oregon State University
- Wendy Lee Woith**
Assistant Professor, Mennonite College of Nursing
Ph.D., University of Illinois-Chicago
- Amy Louise Wood**
Assistant Professor, History
Ph.D., Emory University
- Jeffrey Alan Wood**
Dean, College of Applied Science And Technology
Professor, Agriculture
Ph.D., Cornell University
- Lynn Worsham**
Professor, English
Ph.D., University of Texas-Arlington
- Anne Wortham**
Associate Professor, Sociology and Anthropology
Ph.D., Boston College
- Gaywalee Yamskulna**
Assistant Professor, Mathematics
Ph.D., University of California-Santa Cruz
- Sharon Sue Zeck**
Director, Arts Technology & O.R.A.T.
Ph.D., University of Iowa
- Kevin Honglin Zhang**
Associate Professor, Economics
Ph.D., University of Colorado-Boulder
- Wenhua Zhao**
Associate Professor, Mathematics
Ph.D., University of Chicago
- Sandra Kay Zielinski**
Professor, School of Theatre
M.F.A., Illinois State University
- Corinne Zimmerman**
Associate Professor, Psychology
Ph.D., University of Alberta
- Joseph Perry Zompetti**
Associate Professor, School of Communication
Ph.D., Wayne State University
- Kirstin Hotelling Zona**
Associate Professor, English
Ph.D., University of Rochester
- Diane L. Zosky**
Acting Department Chairperson, History
Associate Professor, School of Social Work
Ph.D., Loyola University of Chicago

ASSOCIATE MEMBERS OF THE GRADUATE FACULTY

For Fall 2009 as of January 2009

- Winfred Aweyire Avogo**
Assistant Professor, Sociology and Anthropology
Ph.D., Arizona State University
- Glenn A. Bailey**
Assistant Professor, Marketing
Ed.D., Northern Illinois University
- Rita L. Bailey**
Assistant Professor, Communication Sciences and Disorders
Ed.D., Illinois State University
- Aysen Bakir**
Associate Professor, Marketing
Ph.D., University of Mississippi
- David Barker**
Assistant Professor, Mathematics
Ph.D., University of Missouri-Columbia
- Alan B. Bates**
Assistant Professor, Curriculum and Instruction
Ph.D., University of California-Santa Barbara
- Jeri M. Beggs**
Associate Professor, Marketing
Ph.D., Saint Louis University
- Sherrilyn M. Billger**
Associate Professor, Economics
Ph.D., University of Illinois-Urbana-Champaign
- Kristin N. Bolton**
Assistant Professor, School of Kinesiology and Recreation
Ph.D., University of Illinois-Urbana-Champaign
- Joshua W. Brown**
Assistant Professor, Technology
Ph.D., Purdue University
- Ryan A. Brown**
Assistant Professor, Curriculum and Instruction
Ph.D., Indiana University-Bloomington
- Rebecca A. Bull**
Assistant Professor, Management and Quantitative Methods
Ph.D., Purdue University
- Thomas C. Burr**
Assistant Professor, Sociology and Anthropology
Ph.D., University of California-Davis
- Elizabeth D. Carlson**
Assistant Professor, Mennonite College of Nursing
D.Nursing Sci., University of Texas Health Science Center-Houston
- Rebecca Chase**
Assistant Director, Women's and Gender Studies
Ph.D., New York University
- Sunil K. Chebolu**
Assistant Professor, Mathematics
Ph.D., University of Washington-Seattle
- Jihui Chen**
Assistant Professor, Economics
Ph.D., Indiana University-Bloomington
- William J. Crampton**
Associate Professor, Accounting
Ph.D., Kent State University
- Kevin L. Devine**
Assistant Professor, Technology
Ed.D., Illinois State University
- Oguzhan C. Dincer**
Assistant Professor, Economics
Ph.D., University of Oregon
- Toby Joseph Dogwiler**
Adjunct, Geography-Geology
Ph.D., University of Missouri-Columbia
- Norman Dean Durlinger**
Director, Center Study Of Education Policy, Educational Administration and Foundations
Ed.D., Illinois State University
- Laura S. Erskine**
Assistant Professor, Management and Quantitative Methods
Ph.D., University of Southern California
- Janine Sue Evans**
Assistant Professor, School of Theatre
M.F.A., Kent State University
- Andreas W. Fischer**
Assistant Professor, School of Art
M.F.A., University of Illinois-Urbana-Champaign

Peter O. Foreman

Assistant Professor, Management and
Quantitative Methods
Ph.D., University of Illinois-Urbana-Champaign

Jennifer Campion Friberg

Assistant Professor, Communication Sciences
and Disorders
Ed.D., Illinois State University

Elisabeth Friedman

Assistant Professor, School of Art
Ph.D., York University-Toronto

Hae Jin Gam

Assistant Professor, Family and Consumer
Sciences
Ph.D., Oklahoma State University

Joseph M. Goodman

Assistant Professor, Management and
Quantitative Methods
Ph.D., University of Mississippi

David S. Gresham

Assistant Professor, School of Music
D.M.A., Juilliard School

Elizabeth Anne Hatmaker

NTT Instructional Assistant Professor, English
Ph.D., Illinois State University

Roslin V. Hauck

Assistant Professor, Accounting
Ph.D., University of Arizona

Donald P. Heldman

Adjunct, Sociology and Anthropology
Ph.D., University of London

Janice R. Hill

Assistant Professor, Criminal Justice Sciences
Ph.D., University of Missouri-Saint Louis

Mark L. Hoelscher

Associate Professor, Management and
Quantitative Methods
Ph.D., Texas Tech University

Richard L. Hughes

Assistant Professor, History
Ph.D., University of Kansas

Sheryl Daun Jenkins

Assistant Professor, Mennonite College of
Nursing
Ph.D., Illinois State University

Tricia Widner Johnson

Assistant Professor, Family and Consumer
Sciences
Ph.D., Oregon State University

Clifton H. Jones

Professor, Milner Library
M.A., University of Denver

Keith T. Jones

Associate Professor, Accounting
Ph.D., University of Kentucky

Chu J. Jong

Assistant Professor, School of Information
Technology
Ph.D., University of New Mexico

Peter Andrew Kaufman

Assistant Professor, Marketing
Ph.D., University of South Carolina-Columbia

Cynthia Hodson Kerber

Assistant Professor, Mennonite College of
Nursing
Ph.D., Illinois State University

Kathryn Kerr

NTT Instructional Assistant Professor, English
M.F.A., Southern Illinois University-Carbondale

In-sop Kim

Assistant Professor, Communication Sciences
and Disorders
Ph.D., Florida State University

Jin-Ah Kim

Assistant Professor, Curriculum and Instruction
Ed.D., Illinois State University

Suzanne Howlett Kimball

Assistant Professor, Communication Sciences
and Disorders
D.A., University of Florida

Claire Coleman Lamonica

Assistant Director, Center for Teaching,
Learning and Technology
D.A., Illinois State University

Kelly Rian Laurson

Assistant Professor, School of Kinesiology and
Recreation
Ph.D., Iowa State University

Annette H. Lermack

Associate Professor, School of Art
Ph.D., University of Iowa

Gary Michael Lewis

Assistant Professor, Mathematics
Ph.D., Michigan State University

Chung-Chih Li

Assistant Professor, School of Information
Technology
Ph.D., Syracuse University

Pamela Lynn Lindsey

Assistant Professor, Mennonite College of
Nursing
D.Nursing Sci., Rush University

Tyler Lotz

Assistant Professor, School of Art
M.F.A., Alfred University

Yoon Jin Ma

Assistant Professor, Family and Consumer
Sciences
Ph.D., Yonsei University

Tena Lenn McNamara

Supervisor, Clinical, Communication Sciences
and Disorders
Assistant Professor, Communication Sciences
and Disorders
D.A., University of Florida

Horace L. Melton

Assistant Professor, Marketing
Ph.D., Florida State University

John Robert Miller

Assistant Professor, School of Art
M.F.A., University of Illinois-Urbana-
Champaign

Maria A. Moore

Assistant Professor, School of Communication
Ph.D., National-Louis University

Marilyn K. Morey

Associate Professor, Curriculum and Instruction
Ed.D., Illinois State University

Matthew L. Nelson

Assistant Professor, Accounting
Ph.D., University of Illinois-Urbana-Champaign

Terry W. Noel

Associate Professor, Management and
Quantitative Methods
Ph.D., University of Colorado-Boulder

Monica Cousins Noraian

Assistant Professor, History
Ph.D., Illinois State University

Gary Steven O'Malley

Assistant Professor, Curriculum and Instruction
Ph.D., University of Iowa

Carol Semanisin Owles

Emeriti Faculty, Curriculum and Instruction
Ph.D., University of Illinois-Urbana-Champaign

Katrin Pachler

Assistant Professor, History
Ph.D., American University

Aaron M. Paolucci

Associate Professor, School of Theatre
M.F.A., Southern Illinois University-Carbondale

Do-Yong Park

Associate Professor, Curriculum and Instruction
Ph.D., University of Iowa

Jamie Lyn Perry

Assistant Professor, Communication Sciences
and Disorders
Ph.D., Northern Illinois University

Aaron Z. Pitluck

Assistant Professor, Sociology and
Anthropology
Ph.D., University of Wisconsin-Madison

Nels K. Popp

Assistant Professor, School of Kinesiology and
Recreation
Ph.D., University of Louisville

Andre Jean Marie Pugin

Adjunct, Geography-Geology
Ph.D., University of Geneva

Isaura Betzabe Pulido

Assistant Professor, Educational Administration
and Foundations
Ph.D., University of Illinois-Urbana-Champaign

Kelly Pyle

NTT Lecturer, Communication Sciences and
Disorders
Au.D., A. T. Still University

William M. Reger

NTT Instructional Assistant Professor, History
Ph.D., University of Illinois-Urbana-Champaign

Neil Eugene Sappington

Assistant Professor, Educational Administration
and Foundations
Ph.D., Illinois State University

Jean Sawyer

Assistant Professor, Communication Sciences
and Disorders
Ph.D., University of Illinois-Urbana-Champaign

Leon Schjoedt

Assistant Professor, Management and
Quantitative Methods
Ph.D., University of Colorado-Boulder

Maria Helena Schmeckle

Associate Professor, Sociology and
Anthropology
Ph.D., University of Southern California

Benjamin S. Schmeiser

Assistant Professor, Languages, Literatures and
Cultures
Ph.D., University of California-Davis

Douglas D. Schwalm

Assistant Professor, Economics
Ph.D., University of California-Berkeley

Judith Ann Sevel

Coordinator, Field Placement, School of Social
Work
M.S.W., Howard University

Mathew L. Sheep

Assistant Professor, Management and
Quantitative Methods
Ph.D., University of Cincinnati

Elizabeth A. Skinner

Assistant Professor, Curriculum and Instruction
Ph.D., University of Illinois-Chicago

Matthew B. Smith

Assistant Professor, School of Music
Ph.D., Keio University

Ellen Augusta Spycher

Assistant Professor, Curriculum and Instruction
Ed.D., Illinois State University

Richard D. Sullivan

Assistant Professor, Sociology and
Anthropology
Ph.D., University of California-Santa Barbara

Georgia Tsouvala

Assistant Professor, History
Ph.D., City University of New York-
Queensborough Community College

Christine Varga-Harris

Assistant Professor, History
Ph.D., University of Illinois-Urbana-Champaign

David William Wallace

Assistant Professor, Marketing
Ph.D., Washington State University

George A. Waters

Assistant Professor, Economics
Ph.D., University of North Carolina-Chapel Hill

Stewart L. Winger

Assistant Professor, History
Ph.D., University of Chicago

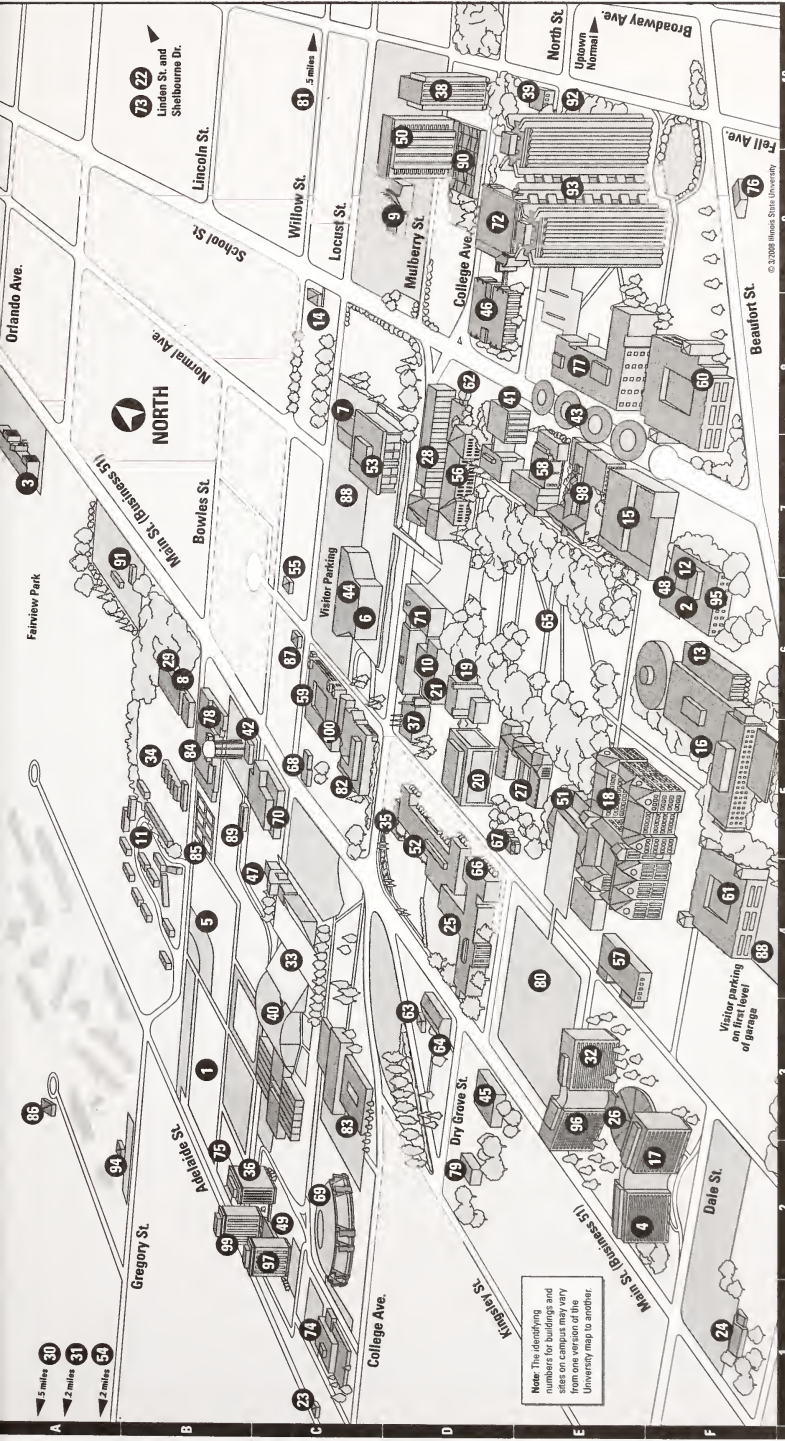
James Richard Wolf, Jr

Assistant Professor, School of Information
Technology
Ph.D., Ohio State University

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- 80 Student Fitness and Kinesiology Recreation Building (under construction) E3
- 81 Student Recreation Building (Willow and Beech Streets) C10
- 82 Student Services Building C5
- 83 Turner Hall (TUR) C3
- 84 University High School (UH) B5
- 85 University High School Tennis Courts B5
- 86 University (President's) Residence A3
- 87 Vidette Building C6
- 88 Visitor Center C7 and F4
- 89 Vito Center (VIT) B5
- 90 Vrooman Dining Center (VRO) D9
- 91 Waller Parking and Transportation Building, Bill B7
- 92 Watterson Dining Center (WD) E10
- 93 Watterson Towers E9
- 94 Weirberg Golf Club (GC) A2
- 95 Westhoff Theatre F6
- 96 Whitten Hall E3
- 97 Wilkins Hall C2
- 98 Williams Hall (WH) E7
- 99 Wright Hall B2
- 100 211 North University Street C5



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